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Ranch & Farm

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Farm and Ranch REVIEW

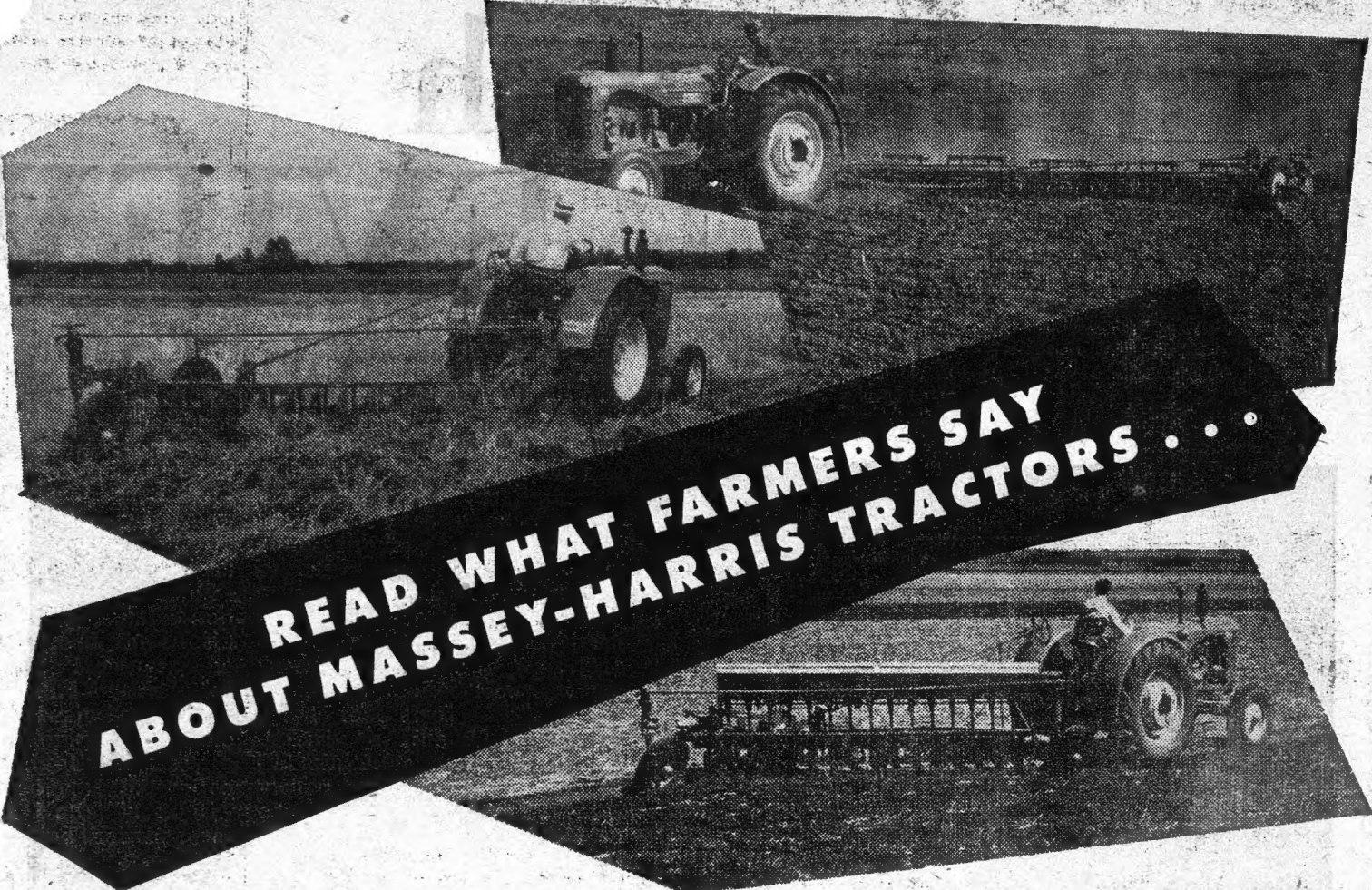
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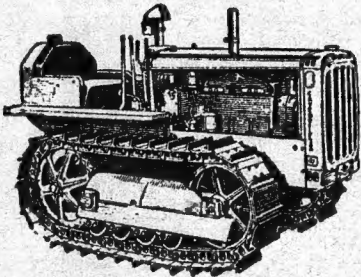
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DISCOVERED IN
STABILIZED
WHEAT
GERM
REX OIL

NOW IT CAN BE TOLD

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ST. THOMAS, ONT.



The Farm and Ranch Review

GRAPHIC ARTS BLDG., CALGARY, ALBERTA

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The Farm and Ranch Editorial Page...

Getting hysterical now can only help our enemies

FROM the reaction in many quarters to Prime Minister St. Laurent's statement on the outlook for peace or war, you'd almost think that some people in this country wanted war with Russia, and wanted it now. Certainly the hysteria that has gripped the United States since things went sour in Korea has spilled over into Canada.

Mr. St. Laurent said, simply, after his return from the commonwealth conference, that he did not believe there would be another world war within the next twelve months. In many quarters, the reaction was one of angry disappointment. The Farm and Ranch shares neither the anger nor the disappointment.

We believe that Russian Imperialism only can hope to succeed in its intention to conquer the world through a third World War. In this atomic age, such a war might well destroy civilization itself. If, through the organization of the strength of the forces of freedom, we can prevent such a war from taking place, we will have won the first battle in defence of our liberties. So we say to the screamers and tub-thumpers, what's wrong with another year of peace, if we use it wisely to mobilize our forces?

Mr. St. Laurent, it is worth recalling, was in consultation with the leaders of the British Government. That Government, through the years, has built up a superb intelligence system. That system was capable, even in 1941 when Hitler was master of all Europe, of warning Russia that Germany was about to attack in the east. Let us assume, therefore, that Mr. St. Laurent's opinion was based upon information that we can reasonably expect to be accurate. The information, of course, can be wrong. But the batting average of the British intelligence has been very good indeed.

The only danger that continued peace holds for us is in the way we react to this crisis. If the United States rushes itself into a complete war footing, and war does not come, political reaction there will be serious. Public opinion in the United States is an unstable thing. The very people, who today are demanding loudest for a show down with Russia, were the most vociferous a year ago in their demand for drastic reductions in military spending. Maintaining the United States on a maximum war footing, if no war develops, will be a frightfully costly operation. It is the kind of bill people will pay only under the compulsion of war.

Taking the long-term view, as Russia Imperialism seems to take, it would make sense now if Russia pulled in its horns slightly. It has succeeded in completely disrupting the American economy. It has forced the United States to divert its attention from peaceful pursuit of happiness to mobilization for war. Russia has cried wolf. If no war now engulfs the world, the United States will inevitably have to slacken

off its military effort. A new alarm, set off someplace else in the world a year hence, would stir things up again. It could cry wolf again and again and again.

Of this we can be certain, there can be no world war until Russia wills it. For the moment, what we face is a state of siege of our economies. It seems to us that the problem that faces us is much more complex than that seen by the "war-wishers" in our midst. The Russians believe that the dead weight of war mobilization will eventually cripple the economies of the democracies. In that they could be right. But they could be right only if we allow ourselves to be stampeded.

True, there is urgency in the need to prepare for a struggle. We have got to get our defences in shape. We have got to divert some of our effort from normal peacetime pursuits to war activity. But we have got to do these things with the idea very clearly in mind that we may be in for a long siege of economic warfare, or we may be into a shooting war before summer. It is this uncertainty that makes any planning so difficult. Planning for an immediate war could be just as disastrous to our economy if war was delayed as planning for a war next year would be if it came this year.

Are we dead-wrong about weeds and grain

CAN it be that we are going to have to change our ideas about weeds and soil fertility. Have we, in these many years, been dead wrong about weeds, or more particularly, about certain types of weeds?

Since the beginning of time, we have all believed that weeds robbed soil of fertility and competed with growing crops for moisture. Thus it was axiomatic that a weedy field yielded less wheat than a clean field. But how much truth is there in these beliefs?

The studies that have been made in recent years have produced some contradictory results in connection with the use of 2,4-D. In some experiments, when weeds are killed off increased yields are reported. In others the weeds are killed off and no increased yields result. Now if weeds take food and moisture from grain, destruction of weeds must increase yield. Either that or we must conclude that not all weeds rob cereals of food and moisture. Indeed we might conclude that some of them, the low-growing varieties, conserve moisture for the grain by protecting the soil from sun and wind.

Now along comes a scientist who is prepared to argue just that proposition. He is Dr. Joseph A. Cocannouer, who teaches botany and conservation at the University of Oklahoma. His findings on beneficial

Perhaps it will help us to retain our sense of balance if we take another look at our geography books. Russia today sits in the middle of a great world island. By a series of feints and bluffs, it can keep us off balance. Its thrust in Korea has caused us to send part of our strength there. A minor thrust in Iran could send us scurrying half way round the world. One in northern Europe could do the same. Troops trained for the desert would have to be retrained for use in Europe. Even in the elementary business of training an army, such complexities as these bedevil us.

What we started to say in the beginning was this: We will help no one but Russia if we get hysterical now. We have got to match the Kremlin in the cold shrewdness of our planning. We have got to put the United Nations coalition in working order. We must stockpile our materials, our manpower and our intelligence against the day when all may be needed. But there is a vast difference between all this and rushing pell-mell into the production of armaments and war materials which may be obsolete before the shooting starts.

The problem that faces us today is infinitely more difficult than that which faced us in 1939. Then it was the relatively simple business of going to war. The facts of war made our decisions for us. The prime fact of that war was its geographic location. Today, we must mobilize for a war on an unknown battlefield, at an undetermined time. Yet mobilize we must for the very strength that we can muster may itself prevent Russia from embarking on an attempt to conquer the world.

For ordinary Canadians, the most vital contribution we can make right now is to hold onto our hats.

weeds are in his recent book — "Weeds, guardian of the soil".

He contends that such weeds as pig-weed and lamb's quarters will increase potato yields. He calls them deep-divers because they go deep into the soil for minerals, their roots break channels for crop roots to do likewise and also enable moisture to penetrate deeper. When their roots decay they increase the sponginess of the soil and help bugs and bacteria to do their part in soil conditioning.

These and such weeds as wild lettuce, cocklebur, ragweed, sow thistle, goldenrod conserve more moisture for crops than they consume, according to Dr. Cocannouer. In addition, he points out that cattle like to eat ragweed for their bovine vitamins. Now like many another expert, he may be wrong in all this. Yet we cannot help but wonder if the time has not arrived when we can spend more time on selective research.

Instead of a blanket writing off of all the weeds that grow as valueless, cannot we begin categorizing their lack of value? Failure to do even that is costing us heavy in the West. We have succeeded in getting rid of a number of troublesome weeds, only to discover that they have had a sup-

(Continued on Page 6)

Farm and Ranch Editorials

pressive affect on other weeds we cannot get rid of so easily.

Wild oats is rapidly becoming the worst weed menace we have. What do we know about wild oats? How long does it take for the seeds to dry before they can germinate? What is known of the microscopic insides of these seeds that will help us eliminate this menace?

We have spent four years on an intensive study of 2,4-D. We know enough about it now to get along on for a few years. This year would be an excellent one in which to start following-up some of the off-pattern results that have been obtained. Let's find out if, in our attack on all weeds, we are doing all good, some harm and some good; or, more harm than good.

Certainly, until our combine manufacturers wake up, we are going to have a weed problem on the prairies for many

(Continued from Page 5)

years to come. In the old days of the binder and separator, the threshing machine caught the weed seeds. They were periodically thrown on straw stacks and burned. But the combine harvests weed seeds with grain and spews them out into the wind to scatter and contaminate more and more of the land.

That a weed collecting device is practical has been demonstrated by one Manitoba farmer on his own combine. His efforts to interest the implement makers got him nowhere. But if grain growers become interested enough and vocal enough, the manufacturer can be influenced.

In the meantime, we can gain much if this is made a period for the re-assessment of all our ancient beliefs and prejudices. We don't know, but we say to the experimenters — let's find out.

Provincial governments can ban margarine

WE have noticed a curious contradiction through the years in the behavior of our farm organizations. They will usually sound off quickly on Dominion Government policies but are rather reluctant to fire many barbs at provincial governments.

That was apparent at the Calgary convention of the Canadian Federation of Agriculture in connection with the margarine issue. So long as it appeared that the Federal law banning margarine was sound, the clamor against it being repealed was loud and prolonged. But once the Privy Council ruled the Federal ban ultra vires, the opposition collapsed in a heap.

It so happens that margarine can be dealt with just as effectively by the provinces as by the Federal government. Given the necessary backbone, the prairie provincial governments could put margarine off the market with a stroke of the pen. Why, then, this curious reluctance to demand that the provincial governments and the members of provincial legislatures stand up and be counted?

We have a Social Credit Government in Alberta, a C.C.F. Government in Saskatchewan and a Liberal Government in Manitoba. The bulk of the support of all these governments comes from the farm ridings. If organized agriculture would bring all its strength to bear upon these governments, could they refuse to ban margarine?

As Farm and Ranch readers know very well, we are not concerned on this issue with the well-heeled dairy farmers who cluster around the Prairie cities. We're concerned with the future and the stability of Prairie agriculture. We have got to keep more animals on our farms. The protection of our soil fertility demands that less acreage be planted to grains and more be planted to grasses and legumes. To achieve this, livestock must be made profitable. There is profit today in beef and pork, lots of profit. But there is none in milking cows, for the average farmer. One reason is the huge growth in margarine sales since the ban was removed. The sale of margarine, engineered largely by city newspapers, was a slap in the face to Prairie agriculture. It gave every farmer who kept a cow or two an incentive to throw away his milk cans.

So to our farm organizations we say: Stop being so timid about provincial governments. They are re-opening for business again at the old stands. Stop pussyfooting and start exerting the kind of pressure that all governments understand. That will solve the margarine problem once and for all.

The trading rules we didn't make

ELSEWHERE in this issue our readers will find a reprint of the speech made to the Canadian Federation of Agriculture by the Minister of Agriculture, Mr. Gardiner.

It is an important speech because of the factual matter it contains. Few of us today ever think about the Ottawa conference of 1932, but that conference, and others that followed, establish the rules that govern the trade of Britain and its suppliers of foodstuffs today. And those rules will continue to govern that trading for many years to come.

As Mr. Gardiner points out, we did not make these rules. We are not a party to the British quota agreements. But we are bound by the rules nonetheless. In times of peace, we can ship foodstuff to Britain only as long as we do not ship more than the quota established for us in the British market.

If we ship more than this quota, the other suppliers may object and Britain would then be forced to restrict imports. An illustration of how the system works is provided by eggs. We had no quota for eggs. So when the war was over Britain refused to buy any eggs from us at all, went back to getting her supplies from the countries which had the quotas.

There was nothing altruistic about the establishment of these quotas. The Low countries and Australia and New Zealand were Britain's best customers. If the Dutch and Danes were to continue buying British bicycles, Britain had to take their eggs, bacon and cheese in return. Britain would not and will not transfer its patronage to other countries, even at much lower prices.

Now this neat and cozy system may be anathema to all the old-time Manchester Liberals. It may be economically unsound. Mr. Gardiner may inveigh against it to his heart's content. But it is there and that's all

there is to it. The British like it and so do the Dutch, Danes and New Zealanders. They have found that it works reasonably well for them. If we want to play the game, according to their rules, we are more than welcome to do so. If we don't, that's all right too.

The moral to all this is plain. We live and trade in a world as it is, not as some dead economist thought it should be 100 years ago. Fortunately for the farmers of this country, interest in doctrinaire arguments over economic theories of dead economists has been replaced by efforts to solve their own problems in the practical world they live in. And, curiously enough, this change in thinking has resulted in the solution of a great many of the problems that once defied solution.

Easter seals for crippled children

EASTER comes early this year. We hope this will be a gentle reminder to our readers to do something about Easter seals for crippled children. These attractive seals not only add a gay touch to our mail, they are symbols of the worth of the great work of an army of volunteer women on behalf of crippled children.

Without the tireless efforts of these women through so many years, children crippled in infancy would face a life of misery. The money they have raised and contributed themselves has equipped many of our hospitals to deal effectively with crippled limbs. That work has been done quietly and in their own way. But now, with Easter seals, they are giving the rest of us a chance to help a noble cause along. The money we contribute, all of it, goes directly to help the children. That's most important.

It is, however, important to demonstrate to those who have carried the burden for so long that their's is a work that merits full public support. Those who are on the mailing list for Easter seals should send their contributions in promptly, together with names of their relatives and friends. Those who have not received seals can get them by sending a post card to P.O. Box 280, Calgary. Or if you lose that address remember that the Farm and Ranch will take care of it for you.

Memo to Letter-writers —

THERE has been quite a response from our readers to Dr. Frank Morley's sermons. Unfortunately no one has yet written us a letter shorter than the original articles, so none can be published. Why is it, we often wonder, that the most complicated subjects can be well covered in a few sentences? But when people start to discuss religion, particularly in writing, they cannot contain their thoughts within a couple thousand words?

Many of our readers raised questions of indubitable importance and interest. But they raised them in such a way that editing them down to size was impossible. So please, everybody, let's start all over. Our space is strictly limited. We have to ration it, and we simply cannot handle letters on any subject that run over 400 words.

"See here, Mr. Oldtimer— I'm fed up with your blather!"

By DOUG RATHWELL, Namaka, Alberta.

I'M just fed up with reading all this bunk put in all papers and magazines by older people, and "government experts," telling why "young Canada" is moving to town, and the big schemes they are trying to figure out to prevent it!

Being a member of "young Canada", I think I have a pretty fair idea of the situation; both the reason and the way to stop it.

First of all, when the farm lad begins to grow up he wants to get a piece of land of his own. He has heard that "Farmer Jones" wants to retire, so trots off down the road to see the old gent. Here he is greeted with suspicion, but when he says he is thinking of starting to farm, "Farmer Jones" fairly beams.

This starts a long-winded story of how he (Jones) came from North Dakota in '98, rented a farm for the first ten years, then bought it without a cent down. Then he got a mule and a plow and was in business.

After about an hour of boasting about his hardships, he finally winds up with:

"Yep, me and my boys got the place all cleared up four or five years ago, then they all left for the city."

The reason they left is because he worked them half to death paying for "his" place. They decided to go to the city where they worked regular hours, got a regular pay check, were only under a boss eight hours per day, with Sundays and holidays off. And they could see and plan a future of their own.

At last the lad gets a word in and says he would like to rent the place. At this "Farmer Jones" almost explodes, his face gets purple, and he yells:

"Rent? Do you think I'm crazy? That is no way to start. If a person rents they never know what sort of a guy they will get on their farm."

After he has done his best to make the "young Canada lad" feel like a kid caught in an apple tree, he finally cools down and says:

"I like you, lad, so I'll give you a break. I figure this place is worth about fifty dollars per acre. That comes to about forty thousand dollars. Now I can maybe let you have some good terms on it." The lad's face brightens up, so he goes on. "Yep, seeing I like you, I'll let you have it for thirty-five thousand down, and the rest can go till next October."

Land Cost

Now, that in itself is the biggest factor in the case. Where our grandfathers homesteaded land for little or nothing, and

the next generation rented or bought on crop payment plan, we of today are expected to pay tremendous prices, and with a large down payment which is beyond the reach of us. As a result large-scale land-owners are grabbing it up, so they can keep us under their thumb and get rich at our expense and discontent.

The solution then is "loosen up", give us a chance and see what we can do. After all, how can we make good when we are tied down so we can't move?

Machinery is also a big problem. The horse and plow days are gone forever, and a good thing, too; 'cause all it left us is the remains of good land misused and brutally mistreated by the members of the old (hardy?) breed. Today, to try and repair this unpardonable damage we have to have thousands of dollars worth of equipment, starting, of course, with a tractor, and going down through blade weeders, tiller, cultivator and on to combine and swather and other machines too numerous to mention.

Farm Wages

Now let us consider the idea of working for wages on the farm. First draw a picture of the average farm. The only running water is the hired man running back and forth to the well with a couple of buckets. Usually the hired man's room or bunkhouse is dimly illuminated by a flickering coal-oil lamp. Heating and bathing accommodations in these quarters are usually limited or even non-existent.

If he happens to be married, the couple are usually stuffed in some little shack, with barely room to move around. Of course there are some shining examples of just the opposite, and in these cases you will find there is no trouble keeping help on the farm.

Just compare that with an apartment in the city, with electricity or gas to cook with, electric lights, running water, and a place a person can call home, even though he is paying rent for it.

To sum it all up, I would say the answer is to make working and living conditions more pleasant, put up some farms to rent, or sell with terms a young, hopeful can meet.

And if the government would give as much help to start we young Canadians as it does to bring over and settle hundreds of thousands of Europeans, we would build up our own nation, and show what "Young Canada" is made of, and could do if helped to "Stay on the Farm."

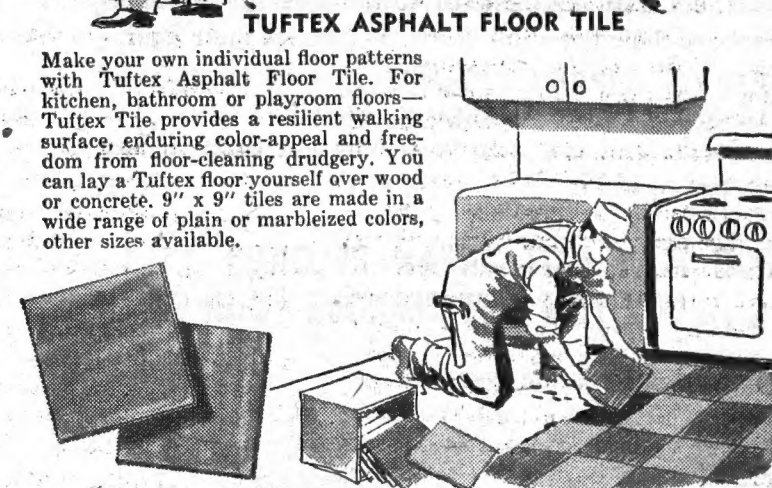
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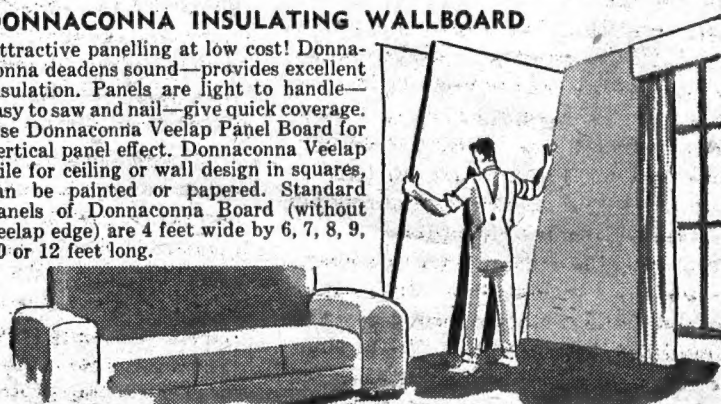


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Winter Comes



Photo by Clemson.

Bi-lateral trading goes back to 1932

By RT. HON. J. G. GARDINER,
in a speech to Canadian Federation of Agriculture

IT has been said by many and inferred by more that the present government of Canada and more particularly the Minister of Agriculture in it is responsible for the existence of bi-lateral contracts as a means of supplying Britain with food. The facts reveal that nothing could be farther from the truth.

Britain for a hundred years believed it best to buy her food in the cheapest market thus keeping down the cost of production so that she could compete with other industrial countries in any market.

Mr. Attlee and other labor leaders in Britain declared themselves against that policy prior to 1929. Two elections were held in Britain within 18 months, in 1929 and 1930, with the Conservatives and the Liberals upholding the old doctrine and labor opposing. The outcome was a coalition of Labor, Liberal and Conservatives under the leadership of Mr. Baldwin on the understanding that an effort was to be made to find some plan which would stabilize wages and prices and put an end to unemployment.

In 1930 a Commonwealth Conference was called in London which was attended by Mr. Bennett representing Canada and Mr. Bruce representing Australia. They took the position that the Dominions and Colonies of the Commonwealth should be given a preference in the U.K. market particularly on food products. This was strongly opposed by Mr. Baldwin and others.

1932 Conference

The discussions started in the London Conference of 1930 concluded without agreement. They were continued at the Ottawa Conference of 1932.

The late Rt. Hon. R. B. Bennett in opening the Conference ask-

ed, "What do we hope for from this Conference? The answer is I think from all of us greater markets within the Empire." Discussion followed during which the representatives of every Dominion expressed the hope that they could have a preference in the United Kingdom market for primary products particularly food products without having to compete with one another and others in an open Free Market.

The Rt. Hon. Neville Chamberlain replied. He pointed out that every speaker dwelt upon the necessity for increasing wholesale prices and also that the United Kingdom could contribute more to bring this about than any other.

He pointed out that the prices of primary products which they were concerned about were determined in two different categories, first those determined in a world market and those determined by the fact that they are sold almost exclusively in the British market. It should be pointed out that most of the products we are concerned about are in this latter group.

Mr. Chamberlain goes on to state: "It is obvious that this Conference cannot deal effectively with the prices of commodities which are governed by a world market. That must be the task of a world conference. But when we come to consider commodities which are sold almost exclusively in the sterling market the United Kingdom delegation wish to suggest to their fellow delegates the advisability of considering the regulation of supply rather than of importation into Great Britain. To form a stable workings scheme it is obviously necessary that all the main sources of supply — home, empire or foreign — must be brought into

the plan. But it is the view of the United Kingdom delegation that the British government could make a valuable and indeed indispensable contribution to the actual working of such a scheme by reason of the fact that they would be in a position to control entry to the sole market for the commodities concerned. This is not the time to elaborate further the ideas which I have put forward, but if other delegations are prepared to give favorable consideration to the principle concerned the United Kingdom Delegation will be glad to co-operate with them in working out details."

The details of this plan were discussed at this conference and plans laid for its development and application over a three-year period. Agreements based upon preferences of 10% in the British market were drawn up and made applicable for three years at the end of which time the British Government had the right to notify Canada that it was their desire "in consultation with the Canadian government to bring such produce within any system which may be put into operation for the quantitative regulation of supplies from all sources in the United Kingdom market.

Discussions of 1936

This right was acted upon in 1936 by which time a Liberal government was in power at Ottawa. The Hon. C. A. Dunning was Minister of Finance. The Hon. W. D. Euler was Minister of Trade and Commerce, and I was Minister of Agriculture. We journeyed to London and met our three opposites, including the Rt. Hon. Mr. Runciman of the Board of Trade and Mr. Elliott, Minister of Agriculture.

We presented reasons as to why we were not in favor of the plan but were politely told that question was beyond the discussion stage. The plan was agreed to at the conference in Ottawa.

Bacon and Cattle

In order to illustrate the workings of the plan may I cover in detail its application to meat. We were told that the plan was to consider the sources from which Britain was accustomed to receive her meat supplies and on the basis of experience in 1935 determine the amount which would come from outside the Commonwealth and the amount which would come from Commonwealth countries. This allotment would be determined by the U.K. government.

A conference would be set up of the countries outside the Commonwealth and a Council of the countries inside the Commonwealth. Each country would be represented either on the conference or Council and the U.K. government would consult with these bodies to determine the quota to be assigned to each. This quota was to be based on what they did supply in 1935.

It has been planned that when the quota was determined the country concerned would sign an agreement to deliver the quantity at so much weekly. Our constitution makes it impossible for the Federal government to enforce delivery in peace time therefore we had no such agreements and were denied the right to representations on the Council, but Mr. Bennett had written into our three-year agreement with Great Bri-

tain that during the period of three years Canada could send to Britain 2,500,000 cwt. of bacon annually.

We followed this same plan in 1936 and secured by letter the right to send to Britain 280,000,000 pounds of bacon, 60,000,000 pounds of cheese and 60,000 head of beef cattle annually before Britain had the right to ask reconsideration of the quotas.

We put forth the argument that such a plan was not suited to a country such as Canada where agriculture could be greatly expanded. The only answer we had was that we had not demonstrated that the United Kingdom could depend upon us for more.

Until the war came neither I nor the present government had responsibility for anything which happened under this policy. We were always against the plan as applied to Canada and still are, but we carry on under it because no other plan is available.

During the War

The coming of the war brought new conditions. The War Measures Act gave us authority to enforce deliveries. The contracts with other countries could not be fulfilled. Britain was without guaranteed supplies of food. We undertook to get food for her and asked her to give us open-ended contracts for not less than a stated amount at a price agreed upon in the fall of each year for the succeeding year.

I drafted the terms of these contracts, recommended the quantities and prices to the government after agreement with the British and take full responsibility for them in every way and am prepared to accept any criticism anyone desires to make of them. Such agreements can only be drawn in terms which will bring success when the demand is higher than can be met and then those delivering have the right to take delivery of the product.

The British stated to us in 1940, and again in 1943, that when the war was over the agreements signed with Denmark and others for bacon, must be acknowledged.

I indicated to them on each occasion that we hoped to be able to demonstrate to them that we could deliver greater quantities than they were allowing us.

We demonstrated that we could deliver 700,000,000 pounds of bacon in one year, two and one-half times what they allowed us, 145,000,000 pounds of cheese which is 2¼ times as much as they allowed us and 500,000 head of cattle to Europe which is over 8 times as many as they allowed us.

1944 and 1945

When they notified us the second time that we could not depend upon that market after the war we demonstrated that we could without harm to ourselves go back to producing less meat and dairy products and more cereals.

We extended the authority on basis of continuing emergency to take delivery at the end of the war on request for continuing supplies from Britain.

We reduced bacon below 280,000,000 pounds. We reduced cheese below 60,000,000 pounds. We reduced cattle to Britain below 60,000 and were told no more eggs would be taken as we had not been a considerable supplier before the war. As long as we stay under these figures and accept the British price we do not need an agreement but under the terms of the 1932 arrangement we can only exceed the quantities stated with the consent of Britain.

The recent contracts made by Britain with other countries indicate she is following the intent of the 1932 agreements.

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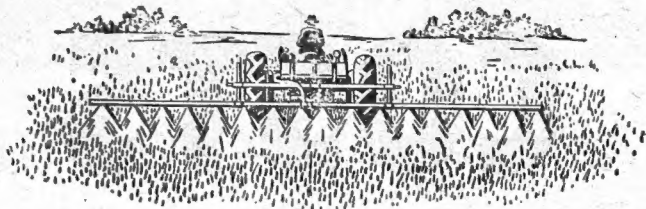
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Farm Rink



Miss Clara Gerlinsky, Carmel, Sask., won \$5 for this picture of a neighbor's rink.

The snow blowers now open the way

By ELOISE DEBOLT

GONE are the days when prairie farm folks complacently accept the fact that winter means blocked roads and "staying home." With the horse and sleigh becoming a memory in many districts, winter quite often meant just that. With the snow piled high on low country roads, there wasn't much to be done about it.

This situation was as true in the districts surrounding the city of Moose Jaw, as any place else on the prairie. Then, snow plow clubs started to come into existence and there are now four or more of these Snow Blower organizations in the vicinity.

The Petrolia Snow Blowers, headed by Lloyd Berglund, with Don Berglund and "Doc" Jones as operators and Eldon Owens as secretary, is now going into its third season.

Last winter, when the coldest January in many years was experienced, this club set quite a record for itself. At the time the club was organized it had been verbally agreed that the operators would not be obliged to pull out in 20 below weather. However, for several weeks, the thermometer has seldom registered even that high and on January 26, it was exactly 45 degrees below zero. Two farmers in the district were out of coal, two were out of water and a lady was ill and unable to reach a doctor. A severe blizzard had blocked the roads, so at seven-thirty o'clock that morning the Snow Blower was on the road. By five o'clock in the afternoon they had cleared out 22 farm yards and opened 45 miles of road. Trucks were

soon hauling coal and water and every one along the route was deeply grateful.

So successful has this particular club proved that two adjoining districts, Tilney and Briercrest, have this winter organized similar clubs, using the same type of machinery and accepting the rules and regulations of the Petrolia Club. Each of these three organizations has about 25 shareholders and each serves about 25 or 30 miles of company roads.

All the clubs ran into a brief snag at the beginning of this season, when it appeared possible that they might be forced to discontinue operations unless they purchased a government license. However, before the members could voice their indignation, the Highway Traffic Board reversed the ruling, granting the clubs permission to work on municipal roads.

So far this winter, snowfall has been light, but the huge snow blowers stand ready and these modern farmers continue to "go to market", whatever the weatherman may do.



"Never mind the fish—what are the mermaids biting."

Higher taxes, more inflation are in the cards for Canada

By BEN MALKIN

WITH the formation of the North Atlantic Treaty Organization and the appointment of General Eisenhower to command its armed forces, Canada's position in defence became a little clearer. About a brigade, comprising three infantry battalions and possibly with its own artillery and tank support (which would mean five regiments in all) was being talked about in Ottawa for service in Europe.

One fighter wing, to include three squadrons, would join the N.A.T.O. air forces. In addition, there would be material aid to Europe to the tune of \$300,000,000 or more. All told, by January it was expected that Canada's 1951 defence budget would come to more than \$1,500,000,000, or more than half of what the total budget had been last year. The total budget for 1951-52 was expected to come to about \$4,000,000,000.

Whether even this would be enough was being hotly debated up and down the country. Many felt conscription should be introduced and industry mobilized, so that Canada could play a larger share in the N.A.T.O. forces than merely providing a brigade among the 50 divisions to be fielded by other countries.

There was a real possibility that if insufficient volunteers were available, conscription would be instituted. Thus the international crisis had, by January, reached the point where every Canadian could expect a reduced standard of living because of higher taxes and continuing inflation, and where a large number of Canadian homes might be seriously affected by the mobilization of manpower.

Stop Aggression

The purpose of all this preparation was clearly stated at the Commonwealth Prime Ministers' conference, held in London last month. The purpose was not to fight a war. It was to deter aggression. The object was to build up enough strength to make it clear to Russia that aggression on Russia's part could be met by immediate resistance. But the object was not to go on a full mobilization basis, as if the world were at war. Full mobilization would put the free world into a strait-jacket, and probably weaken it.

All this preparation had been brewing, and talked about, for several years. The intervention of Chinese troops in the Korean campaign precipitated it, just as the seizure of Czechoslovakia in February, 1948, by the Communists resulted in the almost immediate formation of the Brussels alliance of Britain, France, Belgium, Holland and Luxembourg. It is evidence, if

evidence is needed, that every warlike act by the West has been in response to a more warlike act by Moscow. North Atlantic leaders thought, however, it would be 1953 before the organization could muster its full strength. Whether the Russians would wait until then was the question they were trying to answer. They felt that the next two years would be the trickiest yet. If the Russians did not attack within that time, the West would have built up such a large military establishment that there would probably be no war.

Russian Weakness

There were signs in January that the Russians might not attack. For example, Harold E. Stassen, former governor of Minnesota and now president of the University of Pennsylvania, said in a radio broadcast that a trip around the world, including countries on Russia's borders, indicated there was a great deal of discontent within Russia. Particularly was this true, he said, of the Red Army, and large numbers of Russian soldiers would desert if Russia opened the way by invading the West.

There is some sense in this. In 1945, large numbers of Russian soldiers did desert to the West when they found living standards even in battered Germany incomparably higher than they had been in Russia in peacetime. Moreover, Russia has been fully mobilized for war since 1939. She never did relax after the war so that her productive energies could be fully employed in improving the Russian standard of living. In consequence, the tensions must be great. It is true that the Red Army does not keep men in service abroad for very long at a time, and that during that time they are isolated from the people among whom they serve. There must be a reason for this.

But the Western powers are not putting too much confidence in Russian internal dissension as a weapon of defence. The Russian giant might well turn out to have feet of clay. But the West decided, when it formed the North Atlantic Treaty Organization, to take no chances. The United States proposes to spend \$70,000,000,000 on defence this year—about the total national income of Britain. Britain has increased its defence budget by \$3,000,000,000 a year for the next three years. All-out conscription is coming both in Britain and the United States, and may come in Canada. If Mr. Stassen is right, and the Russians cannot fight a war because of internal disaffection, so much the better. In the meantime, the West proposes to remain strong.

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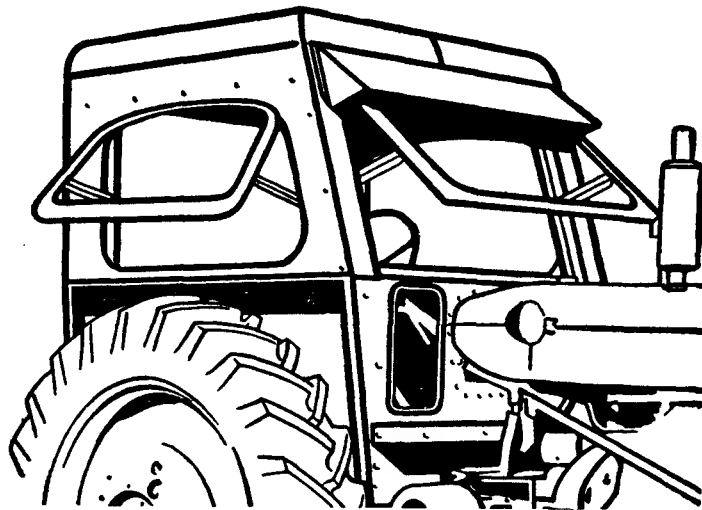
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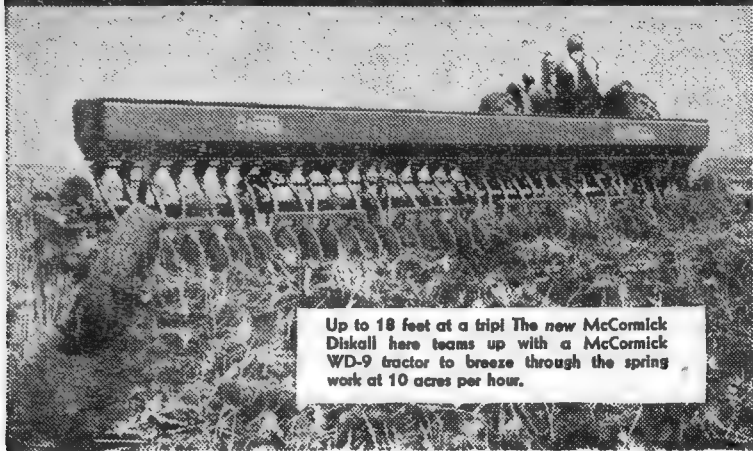
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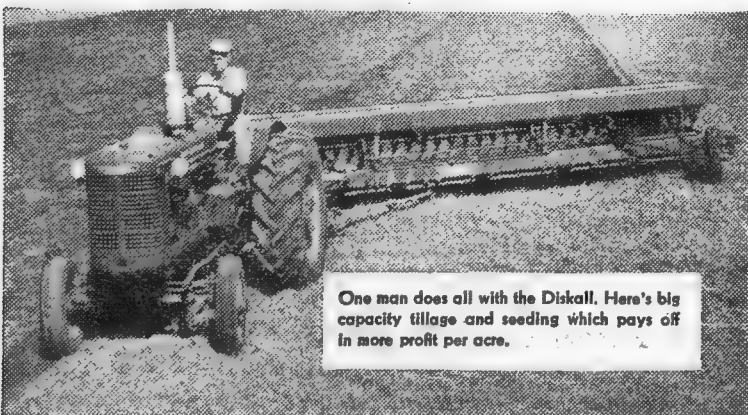
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INTERNATIONAL HARVESTER

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No gains from using liquid fertilizer in Saskatchewan

By J. E. DEHM

QUITE often claims are made that liquid fertilizer gives increased wheat yields. On the basis of all experimental results in Saskatchewan such claims are not justified. In fact, the average results show that money spent on liquid fertilizer does not give satisfactory returns.

Liquid fertilizer was tested on wheat in field trials by the soils department, University of Saskatchewan, in 1949 and 1950. In almost 50 per cent of the trials the yields were lower than the unfertilized checks. The 1950 results showed an average decrease of 0.9 bushels per acre. The average increase for the two years was only four-fifths of a bushel. Such a small average increase would hardly justify its use. It is possible too that the cases where the yield was higher might have been caused by accidental or chance differences.

In the above trials a dry fertilizer, applied at a 40-pound rate, was always compared to the liquid fertilizer. The two-year average increase for the dry fertilizer was 4.7 bushels as compared to the four-fifths bushel increase for the liquid fertilizer. At a cost of \$1.80 an acre for a 40-pound rate, the dry fertilizer gave an average gross return of about \$6.00 per acre, or an average net profit of approximately \$4.00 per acre. Compared to this, the liquid fertilizer showed very little return, if any, above its cost. Therefore, if liquid fertilizer

was used instead of dry fertilizer, the result was, on the average, a loss of about \$4.00 per acre or over \$600 per quarter-section.

There is still more to the story. In 1950, liquid fertilizer was also tested by the various Dominion experimental stations in Saskatchewan and the soils department, University of Alberta. The combined results of these tests showed no measurable increase whatsoever.

In Saskatchewan, fertilizer experiments usually show that yield increases are, up to a point, related to the amount of phosphorus applied. A 40-pound application of dry fertilizer provides 19.2 pounds of phosphate per acre. On the other hand, liquid fertilizer, applied as recommended, provides less than one-quarter pound. Dry fertilizer provides about 80 times more phosphorus than the liquid.

Putting this in another way, the phosphate in dry fertilizer costs about 10 cents per pound, whereas the phosphate in liquid fertilizer costs several dollars. This simply brings out the fact that shipping water containing small amounts of plant nutrients is an expensive business.

The advisory fertilizer council of Saskatchewan, consisting of representatives from the University soils department, Dominion experimental stations, and Provincial department of agriculture does not recommend the use of liquid fertilizer.



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THE use of registered seed grain means: Better grades, fewer weeds, less disease, uniform stands, pride in your crops, higher yields and more money in the bank.

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There is, therefore, only one safe procedure for the man who wants registered seed and that is to order early.

The supply of most kinds is adequate this year if full use is made of them.

Every elevator agent in Alberta stands ready to take orders for registered seed grain. It can also be ordered from District Agriculturists or from the Alberta Seed Growers' Co-Op. This is made possible by the Alberta Crop Improvement Association. Grain Companies and growers' organizations co-operate through this Association, with the Dominion and Provincial Departments of Agriculture and the University in promoting the use of better seed.

Farmers who wish to discuss kinds, varieties and grades of seed grain should consult their District Agriculturist, the Provincial Field Crops Branch, the nearest Experimental Station or the Department of Plant Science at the University.

Airplane spraying gets stamp of approval

WHEN the airplane was first used to spray crops against grasshoppers and weeds, the experts were dubious. It looked just a bit too new-fangled to be practical. Now they are softening in their attitude.

At the Western Weed Control Conference at Regina, the airplane got onto the list of approved equipment. As a matter of fact it is the ideal tool under certain conditions. The usual caveats must of course be entered: handled by an expert, lack of complications from wind drift.

Where the airplane excels is on rough or rolling land, particularly in hopper control. It can zip along over areas that tractors can't cover. That results in more complete control of hoppers. It's economical, too.

Look for more and more spraying to be done by planes, particularly on rough land and along streams and gullies.

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T. R. CUMING

HERBATE increases yield

T. R. CUMING, CROSSFIELD, ALTA., is one of many growers who praise HERBATE. Mr. Cuming says: "Using HERBATE has increased my yield at least 10%. The fields I sprayed were clean except for stunted thistles. On the other hand, in one 25-acre barley field which I did not spray, the stink-weed was so bad it was necessary to clean the grain before feeding."

Manitoba grower gets 6 to 7-bushel increase

E. A. CAMERON & SON, NEEPAWA, MAN., have been using HERBATE for three years with excellent results. "We estimate," they say, "that in 1950 we got increased yields of 6 to 7 bushels per acre, due to killing out weeds with HERBATE. Not only that, but combining is much easier when HERBATE has eliminated the weeds."

"HERBATE wiped out severe infestation"

REG HARVEY, WROXTON, SASK., estimates that by knocking out severe weed infestation with HERBATE 2,4-D, he increased his yield by about 12 bushels per acre from 320 acres. "In the past," says Mr. Harvey, "I had to wait until frost killed the weeds before taking off my crop. Since I've been spraying with HERBATE, I can combine the crop as soon as it's ripe. That means a higher yield and less trouble combining."

Compare HERBATE with other brands

When you buy 2,4-D weed-killer, see first how much 2,4-D Acid (in ounces or pounds per gallon) it contains. Read the label carefully and compare the 2,4-D Acid content of HERBATE with other brands. It's HERBATE's high 2,4-D Acid content that makes it so effective and economical.

HERBATE 2,4-D

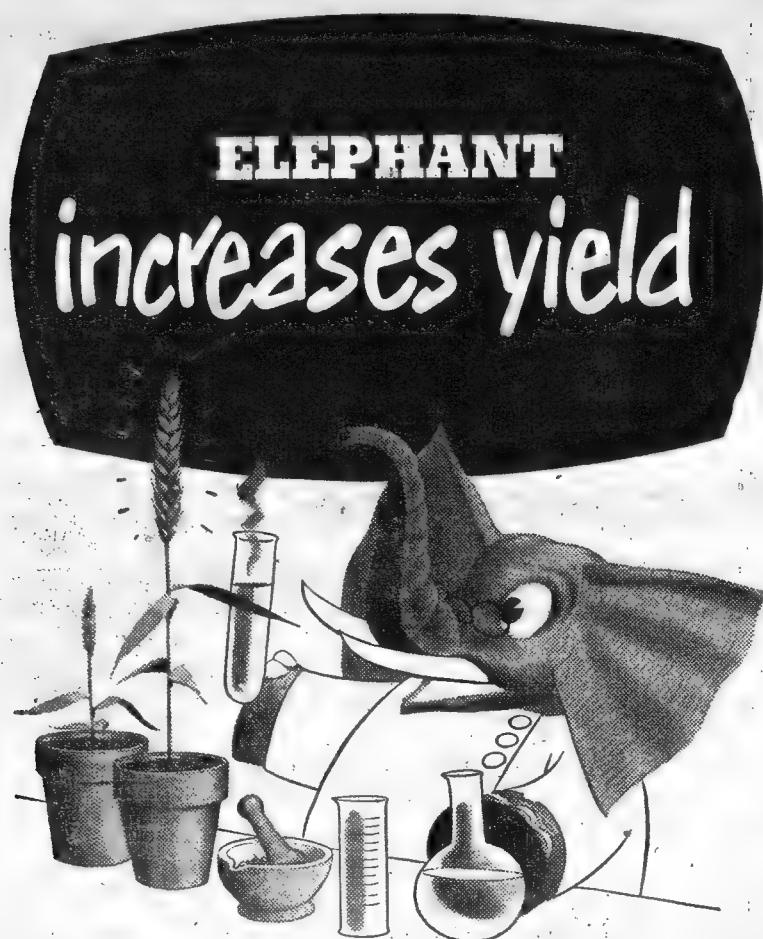
A product of Canada's largest
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HERBATE 2,4-D is a product of the Agricultural Chemicals Division of CANADIAN INDUSTRIES LIMITED, Canada's largest manufacturer of chemicals and long established leader in modern pest-control products. Branches in Winnipeg, Regina, Saskatoon, Calgary, Edmonton, Halifax, Montreal, Toronto and Chatham, Ont.



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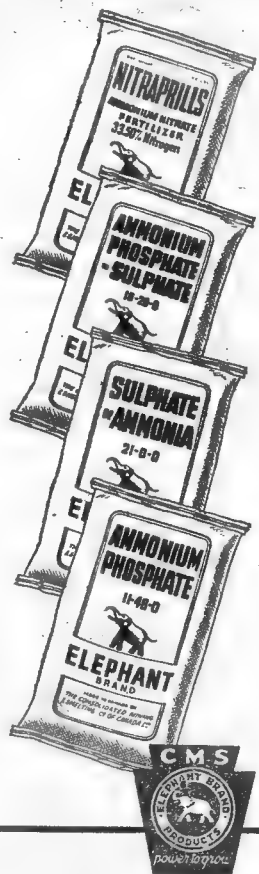
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The romance of coffee began in Ethiopia

By GEOFFREY SHAWCROSS

OPINION differs as to where coffee originated. According to one tale a goatherder named Kaldi was tending his flock in Arabia, one day in A.D. 850, when suddenly to his astonishment he beheld them dancing on their hind legs.

On investigating, he discovered that the apparent cause of their friskiness was their eating the berries of a wild shrub.

The lad then ran to the abbot of a neighboring monastery and told him of his amazing discovery. 'Ere long that sceptical cleric observed the frolicsome goats also, and instantly resolved to brew the mysterious berries. The results were highly gratifying. The smell and the taste were good, the effects very pleasing. Moreover, he had, at last, found a remedy for overcoming sleepiness on the part of the monks during the intermittent nightly services.

Another theory, is that coffee originated at Kaffa, in South-west Ethiopia and that the term "coffee" is derived from the name of that obscure town.

A third hypothesis is that an Arab Chief vacationing in Persia was cured of an illness by drinking a brew made from coffee berries and afterwards introduced the plant into Arabia.

The coffee plant probably first grew in Ethiopia where its hull, leaves, and ripe berries were evidently compressed, mixed with fat, kneaded into balls, and eaten. Subsequently Persian visitors tasted this exhilarating food and were instrumental in introducing the coffee plant into their own country.

A Moslem Priest, who had evidently visited Persia, started coffee growing Aden in the 14th century, and, 'ere long, the shrub grew and flourished in Mecca, the holy city of Arabia, also.

About 1200 A.D. the dried hull of the coffee plant was used for making medicinal drinks which were considered particularly beneficial for ailments producing drowsiness.

Later, the coffee bean was dried, roasted, and ground, and used as a beverage as it is today.

Coffee House

COFFEE Houses, serving the delicious drink, sprang up in Mecca and Cairo, and soon Southern Europe, including Turkey, had such establishments.

In 1652 England started coffee drinking and so popular was the new beverage that Coffee Houses rose up all over London. They were much frequented by the great who sipped one cup after another, gossiped for hours on end, and warmed themselves at the cosy fires. Such literary men as Addison, Goldsmith and Johnson

were often seen at those places.

Coffee was introduced into Marseilles, from Constantinople in 1644, together with coffee service china and embroidered muslin napkins. At first, coffee drinking was restricted to the well-to-do there, but, by 1665, the first Coffee House was opened in Marseilles for residents and seamen.

Louis XIV began coffee drinking in 1664 and it was he and the then Turkish ambassador, Soliman Aga, who popularized that beverage in the gay city.

Louis XV spent extravagant sums annually on coffee and during his reign coffee drinking spread to such an extent that there were no fewer than 600 cafes in Paris. The term "Cafe", by the way, was first given to a Coffee House which served food also.

Early in the 17th century Captain John Smith, who had visited Turkey, introduced coffee into America and eventually Coffee Houses started in Boston, New York, and Philadelphia. These, and many others, gradually evolved into taverns and hotels. The first license to sell coffee in America was issued in 1670.

Coffee was evidently introduced into "New France" in the middle 17th century and was ground at special mills. With the gradual development of Canada coffee drinking naturally spread from coast to coast.

In 1867 the then famous Lloyd's Coffee House was founded in London (England), and became the rendezvous for the shipping interests of the capital. From this modest beginning the world famous "Lloyds of London", developed.

Coffee was introduced into Brazil, in 1754, by Father Vilaso, a Franciscan monk, who planted an embryo shrub in the garden of the monastery of St. Anthony, Rio de Janeiro. Little did he realize that that act was to result in Brazil becoming the largest coffee-producing country in the world.

For decades prior, to 1943 Brazil had a surplus of coffee which she disposed of by burning, burying, and dumping in the sea. Eventually it dawned on the coffee magnates that this troublesome wasteful procedure was most inadvisable and that some alternative economic use should be made of such coffee.

Coffee Plastic

SOME American industrial chemists were consulted, who discovered, after experimentation, that the cellulose of coffee, treated with certain chemicals would make an excellent plastic.

The coffee interests were naturally delighted and since then their "surplus" has been used

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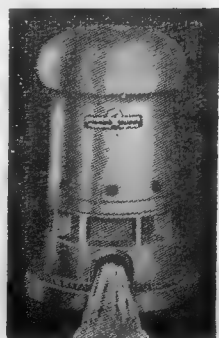
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Here are some useful tips on shipping reclaimed wool

By JANE DALE

THERE are still people who burn or throw away worn-out garments. This is such a waste, especially when the garments are made of pure wool. There are mills operating in almost every province which takes old knitted woolens and for a nominal cost turns these woolens or rags into serviceable and attractive blankets or bed throws. If the person discarding the garments does not wish to have blankets made of reclaimed wool there are institutions which could use them. There is no need of any old woolen material to go to waste.

When getting a shipment of old wools ready for the mill, sort all that has accumulated and set aside any woolen woven material. Every mill does not take this type of material. From the knitted woolens cut away all cotton or rayon bindings, tags or trimmings; remove the buttons, buckles, etc. Wash everything and when dry weigh them carefully. Before sending see that you have the required weight.

Some blankets require seven pounds of multicolored woolens; others so much of white woolens and so much colored. It is better to write for a list of requirements and prices before sending your shipment. Among the colored wools there can be sweaters, socks, mittens, discarded ends of knitting wool, ravelings and clippings. The white wools include sweaters, underwear, scarves and socks, in fact anything knitted from white or cream yarns.

Pack your woolens into a jute sack or box and have your name and address with order required inside of the container. You pay the express or freight if your shipment is under one hundred pounds.

The blankets made from reclaimed woolens are well made

for making all kinds of attractive serviceable plastic goods including coffee pots, fountain pen holders, and smokers' pipes.

One bag of green coffee, weighing 132 lbs. yields approximately forty square feet of plastic half an inch thick.

Coffee in the past was much used to prevent drowsiness during the unduly lengthy Mohammedan religious services and has always been a popular beverage with night nurses for obvious reasons.

At one time, in the Near East, private coffee drinking assumed such proportions that it was classed as an intoxicating beverage, and was forbidden by the Koran — the Bible of the Moslem religion.

Coffee has no food value though it has use as a stimulant. When made with milk, coffee is slightly nutritious.

and warm. They give many years wear with the ordinary handling and care. The cost is not a big item as boughten blankets would cost more and give no longer wear.

Hand knitted garments may often be unravelled and the best yarns used again for mittens, socks or scarves. Worn spots such as the elbows of sweaters or underarms areas, and the heels and toes of socks should be discarded to the rag bag as wool from these parts is thin and weak. Sometimes two thin strands of wool may be used together to give a marled effect, such as yellow and brown, green and grey or black and red. Taking only the best parts of the wool and combining contrasting colors many serviceable articles may be made from this reclaimed wool. After the article is made press carefully under a damp cloth. Work all knots and loose ends underneath and tie them securely to prevent unfastening and becoming a hole.

Hand-knitted socks which have been darned in foot and toe can be still of use as socks. Cut foot off directly above the darns; pick up stitches and proceed to refoot with new wool or reclaimed wool. If reclaimed wool is used it is better to reinforce the heel with another strand of wool or heavy cotton.

Don't buy weed seeds

IF you have to buy grain for seed, make sure that you are not buying weed seeds, advises G. R. Sterling, Supervisor of Soil Conservation and Weed Control, Alberta Department of Agriculture. A casual glance at a handful of seed is not enough. The seed analyst counts the number of weed seeds by spreading out a sample on a piece of white paper. Mr. Sterling suggests that if more farmers followed this method when sampling seed for purchase, there would be fewer weed seeds sown.

Some weed seeds are fairly easy to clean out of grain. Others, like Tartary buckwheat, are more difficult to remove, particularly from seed wheat. If Tartary buckwheat is present in a sample offered to you for seed, refuse it. A few seeds of Tartary buckwheat sown with the grain will multiply rapidly and result in your grain grading "rejected". The presence of this weed in your crop may make a difference in price spread between a No. 1 grade and feed grain. If you are not familiar with the appearance of Tartary buckwheat seed, ask your field supervisor to describe it. You can't take chances with weeds.

The Four Securities

... and how one great business helps provide them for Canadians

1. Security for Wives and Children.

To a good father, the most important kind of security is that which provides enough income for his family in case he dies prematurely. That is why today most Canadian fathers have life insurance. It offers the easiest, surest way to protect dependents.



A total of \$85 million was paid out in death benefits last year by the life insurance companies in Canada. For many widows and children this money brought desperately needed security.

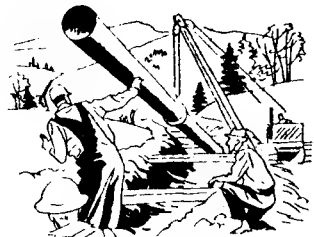


2. Security for Later Years.

Every worker must retire from his job some day. And, for most people, life insurance has proved the easiest way of providing income for that day of need. Life insurance is flexible, too. It meets the needs of millions whose financial problems and living standards vary greatly.

In 1950, a total of \$145 million was paid to living policyholders! This money helped thousands of people to retire comfortably, travel, and make many other dreams come true.

3. Security of a Job. To earn the money which provides all other kinds of security, a man must have a job. Life insurance helps create jobs — by investing policyholders' money in securities which finance the building of new schools, highways, power plants and other public works and vital industries.



Life insurance companies invested more than \$200 million in ways which brought progress and the security of jobs to Canadians from coast to coast during 1950!



4. Security of a Home. Most Canadians own their own homes. In this way they enjoy the double security of an investment and freedom from house-hunting problems. Many of these homes have been built with money invested on behalf of policyholders by life insurance companies.

Last year, many millions of dollars were invested in mortgages on homes by the life insurance companies in Canada. These investments made it possible for thousands of families to enjoy added security.

In these four important ways, Life Insurance helps Canadians in every walk of life to face the future with greater confidence. It is the nation's greatest single source of personal financial security for today and tomorrow!

Each year this great business has grown with people's needs. And today, the more than fifty life insurance companies in Canada look forward to serving an even greater number of policyholders in 1951!

A report from
The LIFE INSURANCE COMPANIES in Canada
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Strip on right was cleaned out by wireworms and replanted. BENESAN treated seed produced excellent stand (Left).

"My Best Investment"

"BENESAN'S effective control of wireworms almost doubled my wheat yield in area sown with treated seed," says Harold J. Adams, Cheviot, Sask. "Crop value increased by \$15 per acre. BENESAN was the best investment I ever made."

BENESAN SEED TREATMENT is easy... practical

BENESAN is applied by ordinary seed treating methods. An "eradication" treatment of 2 ozs. per bushel reduces wireworm damage by 80-90%, and wireworms are unlikely to cause significant damage for at least 3 to 4 years.

Adequate protection of grain seedlings is obtained by using only 1 oz. of BENESAN per acre, but it is unlikely to reduce wireworm population sufficiently to give extended control.

Read what other BENESAN users say

"I estimate an increased return of about \$9.50 per acre, made possible by an additional yield of about 6 bushels per acre—a 30% increase."—Joseph Orman, Webyurn, Sask.

"Crop stand was greatly improved and yield increased by over 50%, which brought me an extra \$12.50 per acre. I highly recommend BENESAN."—James S. Aitken, Cheviot, Sask.

"I tested BENESAN... untreated crop area produced nothing worth swathing... area planted with BENESAN treated seed yielded over 40 bushels per acre."—C. R. Bragg, Rockyford, Alta.

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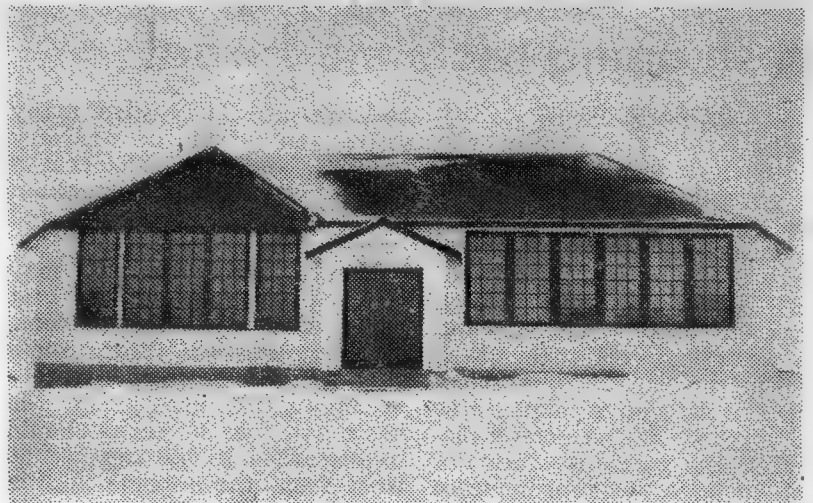
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Prize Picture



Emil Lorentson of Bindloss proudly sent us this picture of the new school at Bindloss.

Our long winter nights encourage tall tales

By KERRY WOOD

THE dreariest part of winter is now here, the last stretch before the spring thaw. On many a February morning the mercury lurks low in the glass, reluctant to show its silvery line to our hopeful eyes. Cattle are rimmed with frost, standing humped on the lee side of stacks. We hear neighbors at their chores, even the smallest sounds carrying afar on such cold days. The sun is still a heatless orb, swinging westward to quickly drop behind the Rockies and leave behind another long night. But on those lengthy evenings families and friends gather around the cosy fires to tell stories.

For example, did you hear about the smart coyote who had a bountiful crop of fleas? This was during the hot summer—a pleasant contrast to our February night. The animal was badly plagued by parasitic fleas, so went foraging along a sheep farmer's fence and plucked tufts of wool from the barbs. When the coyote had gathered a fluffy ball of sheep's wool, the sagacious animal hurried to the river. There the flea-pestered coyote waded slowly backwards into the water, a scant inch at a time. The fleas, being dirty little things, disliked getting their tootsies wet. So they kept climbing higher and higher on the coyote's body to keep out of the water. The coyote backed deeper into the stream, until only its head was clear of the water. Every flea that had itched and bitten the poor beast was now clustered on the coyote's head, still avoiding the wetness. And now the canny coyote waded even deeper, until only its snout and the fluffy ball of sheep's wool were poking out of the water. The frantic fleas raced up the coyote's snout and jumped onto the wool. When the coyote felt itself deserted by all the parasites, the sly beast just let loose

its hold on the sheep's wool and all the pestulent fleas went floating down the stream to plague that crafty beastie no more!

Siberian Wolves

There's a writer's tale often told along the foothill farms of Alberta, concerning the large black wolves that roam the adjacent backlands. Do those wolves come from Siberia? Some fellows say that the black wolves are much larger, much fiercer than the gray timber wolves native to Canada. Some believe it would be quite possible for Alberta to have Russian wolves roaming its hinterlands. Look at a world map, and you'll see that Siberian wolves could cross from the Soviet land on the frozen ice of the Bering Strait to reach Alaska, then hustle over northern tundras and follow the mountain ranges southward until they were howling within hearing of foothill farmers.

The distance is around three thousand miles—a mere nothing to a healthy wolf, say some, adding that such animals can run fifty miles in a single night. Only the black wolves are called Siberians—however, do not forget that, both in zoos and in wild dens, black, grey, and fawn-colored wolves often occur in the same litter. As for size: the Siberian Wolf Tale-tellers claim them to be 200-pounders, but as yet, no wolf of that weight has ever been scaled officially by any North American zoologist.

Then Grandpa, who is whit-tling on a stick in the corner, removes his pipe and holds up the beautiful wand and tells the assembly that it is the famous Diamond Willow. Look for the depressions in the bark, boys—the common fence-post willow will reward you with diamond-shaped wood if you search out the freak places. Grandpa is making himself a walking-stick

from this western wood, the creamy sapwood contrasting vividly with the rich red-browns of the diamond depressions. And Grandpa tells a true story about the Pigeon Lake farmer who built himself a bedroom suite out of attractive Diamond Willows, then turned down a \$1,000 offered by an Edmonton oil-man for that unique set of furniture whittled from native wood.

Grandpa and his hobbies soon take second place to more nature stories. This time, Junior brings forth a grey and heavy chunk of "pemmican". That's what Junior calls it, telling how he stubbed his toe on it while walking across the ploughing, last spring.

Look at it: a grey-skinned sort of ball, larger than the double fists of a man, with part of it broken to reveal a mass of pebbly solids inside. Is it a chunk of dried meat and berries, made by Indians a hundred years ago as Pemmican? Not this item: this is a strange fungus that thrives underground throughout the poplar lands of the west, but is seldom found in its growing state. When exposed by ploughs, the fungus is almost always in this heavy "petrified" state, which fungus experts say is the "restive stage". It is called Canadian Tuckahoe, or Indian Bread. But not pemmican, Junior — don't try to boil it and eat it for proof of the pudding!

That Tuckahoe item was true, but can you believe the story about the Pincher Creek rancher who was pestered by elk one February a few years back? They were raiding his hay stacks, cleaning out his stock feed. A herd of twenty elk, becoming so bold that they came to stacks within sight of the house. So the rancher saddled his best horse, loaded his lever-action carbine, then set out to drive those elk away from his hay. They shired off at first sight of him, of course — they knew about hunters, even though this was the closed season. Our rancher fired a shot above them, and those elk skedaddled away.

The rancher galloped after them, following their tracks in the snow. Within a mile, he sighted the elk again, once more firing a shot to stampede them a second time. The elk headed for the mountains, with the rancher hot on their heels. Every mile or so, he'd sight that herd and frighten them again. He chased them ten miles, right into the tall timber. Then, as daylight was ending, he turned and trotted back to the ranch. As he drew rein at the corrals, he heard a galloping behind him. He stared along his back trail, then discovered that the elk had followed him all the way home — twice as hungry for his hay because of the exercising he'd given them!

Oh, yes: February nights are long, but sometimes the yarns are even longer!

Farm Service Facts

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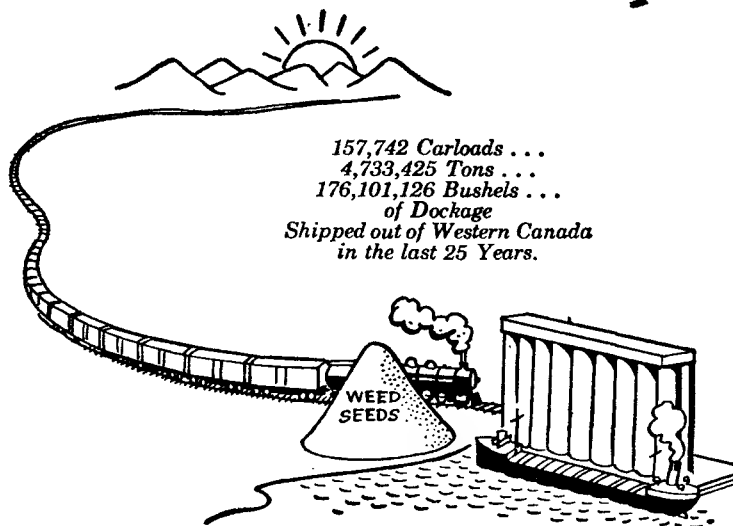


IMPERIAL OIL LIMITED

SELECTING, CLEANING and TREATING SEED GRAIN

Every year, Canadian farmers sow over 80,000,000 bushels of grain. The yield and quality of the crop harvested depends to a considerable extent on two things . . . weed-free seed, and plump seed with high germination. Weed seeds are still being sown at an alarming rate. Seed drill surveys show that up to 20% weed seeds are being sown by some farmers. With this in mind, it is not surprising that in

the past 25 years, 157,742 car loads of screenings have been grown with the grain, loaded and shipped out of Western Canada . . . representing a very heavy loss to producers. True, some of the dockage was produced from weed seeds that were in the soil . . . but a good deal of this loss could have been prevented by sowing clean seed.



Test Frosted Grain

This year, all seed grain should be tested for germination, particularly if coming from an area hit by frost last season. This applies especially to oats and barley, where the frost does not affect the outward appearance of the kernel as much as it does with wheat. When frozen or shrivelled grain is used, even if it does germinate, it

lacks vitality. If these young plants freeze down once in the spring, the crop is likely lost. You can get away from a good deal of the gamble by buying registered or certified seed. You will be assured of getting good plump seed, free from weeds and with a high germination.

Some Suggestions on Cleaning

If you are cleaning your own seed, and it is not convenient to take it to a central cleaning plant, a reasonably good job of cleaning can be done with air blast and sieve machines such as the fanning mill; or a Carter Disc, which makes separations based on the size of kernels. Whatever type of machine you use, the adjustments may have to be changed from those of last year, as the seed in many areas is liable to be smaller. All machines should be set level, securely fastened down, and turned at a uniform rate of speed. Air blast machines should not be set with the back close to the wall, as this interferes with the wind efficiency. Also, it makes it harder to change the sieves and screens.

Grain should be inspected from time to time as it comes from the mill. A good way to do this is to spread a small quantity thinly on a white paper, and examine it for weed seeds, cracked or small kernels. Recleaning should be repeated until the sample is up to standard . . . readjusting the mill to suit the seed. Some time before you are ready to start cleaning it is a good plan to put a few bushels through the mill to see if the adjustments . . . and in the case of the fanning mill . . . the sieves and screens, are suitable. Since the size of the sample varies from year to year, it may be necessary to add new screens or sieves. In any case, the trial run gives time to replace defective or unsuitable equipment.

Dust Treating To Prevent Smut

One of the ways to control oat smut, covered smut of barley, and stinking smut or bunt of wheat is by treating with a mercuric dust. Apply the dust at the rate recommended by the manufacturer. After the grain is dusted it should be kept in a bin or open sacks for at least 24 hours. During this period, the dusted grain should remain uncovered. Grain treated

in this way may be sown at once, or stored safely for several months. This dust is poisonous and should be handled with great care. The treating should be done either outside or in a well-ventilated building. Avoid inhaling the dust. Wear a damp cloth or dust mask over the nose and mouth. Do not feed treated grain to live stock.

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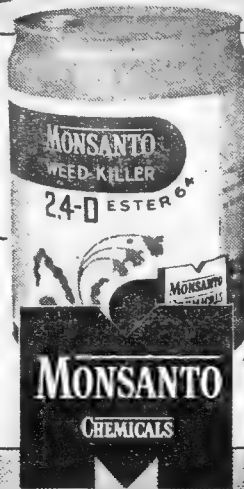
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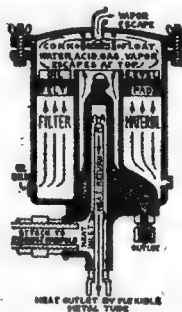
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Bottle Baby



Mrs. Dave Murray of Wadena, Sask., sent us this picture of Linda and Garnet and their baby deer.

Here's what shipping weeds costs western farmers

IN a total grain shipment of 484,568,828 bushels in the 1948-49 crop year there was a dockage content of 13,134,183 bushels, or 328,355 tons of dockage. This is equal to 10,945 carloads — or 199 trainloads of 55 cars per train, with an average load of 30 tons to the car. The freight cost to farmers in shipping this dockage, at the lowest estimate, was \$1,313,418. The figures represent the net dockage after separation of other domestic grains are taken into account.

As compared with the 1946-47 crop year, the figures show an increase of 5,051,213 bushels of dockage shipped in the past crop year, due to an increase of 152,058,604 bushels in grain receipts at the terminals, compared with grain receipts in the preceding crop year. The percentage of dockage for all grains was .28% higher than in the preceding crop year. The following table shows the amount of dockage in other years:

Crop Year.	Carloads of Dockage.
1924-25	5,203
1925-26	5,680
1926-27	5,955
1927-28	6,122
1928-29	10,807
1929-30	4,526
1930-31	5,364
1931-32	4,654
1932-33	5,698
1933-34	4,526
1934-35	4,245
1935-36	3,839
1936-37	4,113
1937-38	2,492
1938-39	6,118
1939-40	8,940
1940-41	5,596
1941-42	5,797
1942-43	4,764
1943-44	10,308
1944-45	10,325
1945-46	7,503
1946-47	9,477
1947-48	6,736
1948-49	10,945

Total Carloads157,742

The above figures give dockage shipment for the past 25 crop years. In that period Western Canadian farmers shipped 176,101,126 bushels of

dockage in their market grain. To ship it they paid the railways a freight bill of \$18,933,809, at a low estimate, on the average basis, Regina to Fort William (20 cents per hundred). It meant the needless transportation of 4,733,425 tons of dockage. The feed value of that dockage, as standard screenings, at \$10 a ton, added \$47,334,250 to the total. The loss through freight and feed value, therefore, was \$66,268,059 in the 25 crop years.

This does not cover the TOTAL LOSS to Western farmers through needless shipment of dockage. There is an enormous loss in grain value due to lower grades; loss in threshing and hauling weed seeds; while in addition, to grow one bushel of dockage kills out from 2 to 5 bushels of grain, at a low estimate.

What about 2,4-D and weeds

NOTHING much that was new was brought out at the Western Weed Control conference this year. The classification of weeds that are susceptible and resistant remains the same as last year.

Most important fact brought out was that use of 2,4-D at the wrong time can seriously depress grain yields. Oats is the most susceptible of the cereal crops.

Results from the use of the new chemical T.C.A. on couch grass are still somewhat inconclusive. Heavy dosages are required and indications point to best results being obtained when spraying and cultivation are combined in just the right kind of weather.

A good deal of experimenting with this chemical was done on the Prairies last year. The experts are now waiting to see what happens in the sprayed plots this year.

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"I have had a Case 'DC' tractor almost eight years. It is very maneuverable, easy to handle, and has more power than most tractors in its size range. Repairs have been few, and operation as a whole is very economical. This 'DC' tractor has paid for itself many, many times."

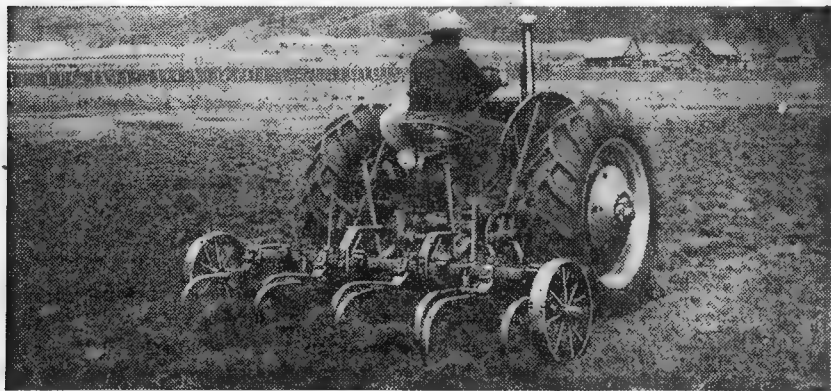
R. C. Cunningham

**3-PLOW
SIZE**

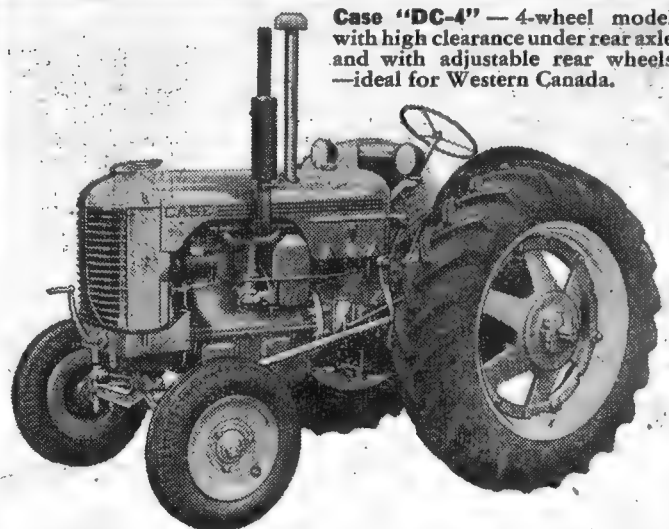
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| | <input type="checkbox"/> Self-Propelled Combines |

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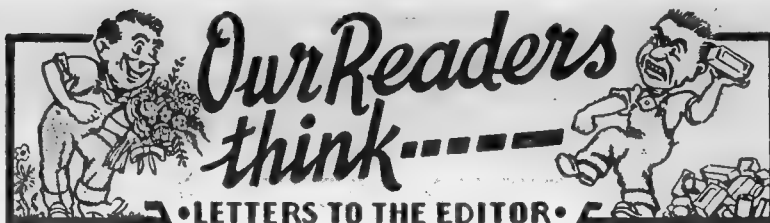
American protest

To the Editor:

I'm writing this letter to let you know that I like your country and magazine, and I agree one hundred per cent with your editorial on your natural gas, but when it comes to Ben Malkin's article that's different. Does he think there's no end to

United States' resources, manpower and other war materials? I think Taft and Hoover are two of the best leaders we have in the States.

The States and the U. N. both knew the Chinese were just across the Manchurian border when McArthur made that big drive. If the U.N. amounts to a damn, why is England and France still trading with Russia, and why did Truman allow the



United States to sell China war materials up until a few days ago, and why did he sell or, should I say, give the Communist Chinese most of our cotton, flax, eggs and all the rest of our surplus? Then Mr. Malkin thinks Truman is such a good leader. As far as England is concerned, if they would throw out those Socialists and get a decent government they might get somewhere. Just how much better is Socialism than Communism? I suppose you know that 90% of the troops and casualties of the U.N. armies are from the States. What does the U.N. amount to if the United States furnishes all the money, equipment and troops. Why doesn't Europe and England do something and quit asking for more, that's why the States are starting to ask questions.

Tony DeCocok.

Minnesota, Minnesota.

The taxpayers and the teachers

To the Editor:—

Regarding school teachers and trade unions in your editorial of December, 1950, and "The teachers re-act" in "Our Readers Think" column of January, 1951.

P. Wm. Hauk, Fox Valley, Sask., mentions homework, skating, curling, other seasonal sports, etc.

By homework, I presume he means chores after school hours such as preparing tests or correcting papers. Chores are connected with all worth-while professions including teaching. However, an appalling number of teachers shirk that chore in preference to so-called social activities as is evident by the equally appalling number of pupils who can't even spell. Repairing skating rinks, organizing curling clubs, or any other sport is quite another line, and can hardly be considered in the \$1.85 per hour teacher's wage as calculated by our Editor.

L. Dibneau, W. Dumanski, H. Petryshen, S. Jones, C. Ratzlaff, University of Saskatchewan, explode very much along the same line. In addition, they feel conscience bound to point out that an editor of a farm magazine who dares question an agitator or union official is quite incapable of intelligent thinking. I particularly note though, all teachers are most conscientious when the question concerns their pocket-book — disregarding, as usual of course, the pocketbook of the man who pays the school taxes.

Our Editor may have been shy a cent or two per hour in calculating the teacher's wage, but that still leaves teachers in the high-wage bracket.

Congratulations to an editor who has the guts to stand up for the school ratepayer editorially. We could comfortably tolerate more editors of same calibre.

Think that over, those of you, over-paid educationalists who can't even teach spelling or have no time to correct it. It's not always the fault of the parents.

Al. J. Engel.

Lemsford, Sask.

Income tax grievance

To the Editor:

In the December issue of the Review I noticed "Critics'" letter from Semans, Sask. I wholeheartedly agree with him. We are not getting a square deal. I have an instance to relate about the Income tax situation. Last year I worked in a factory in the east for a while in the winter. I paid in \$37.00 in Income tax which was to be refunded to me. After I received my assessment statement they confirmed this. I have not received this money yet, and, when I do get it, I get only the bare \$37.00, no interest whatever, after over a year.

Now, the year before I owed them \$8.00 for 3 months, for which they charged me 50c interest. Is this fair?

Moreover, now they come out with an enforced ruling that if we do not pay two-thirds of our income before the end of December, we are liable to be charged interest until we make our full payment. I ask you again, is this fair?

Interested.

Elrose, Sask.



"Next year I hope I can afford a boat to go with it."



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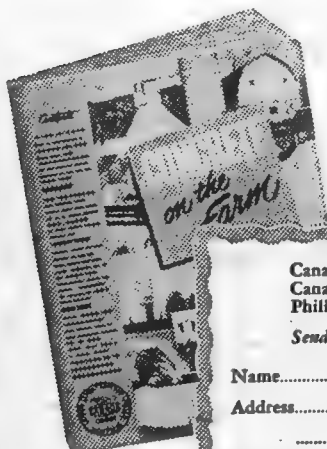
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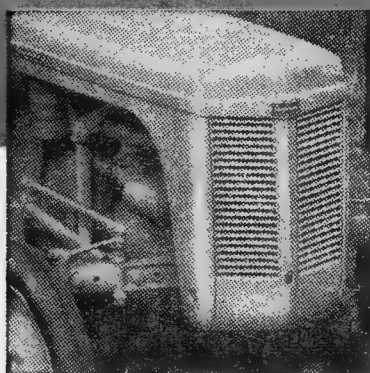
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lift : : : much more too, than a 3-point implement hitch. It is a *completely integrated* system of manually and automatically controlling Ferguson unit-mounted implements in operation in the ground. The Ferguson System virtually *thinks* for you! Automatically, it changes the Tractor's weight to suit the job—yes, actually *increases* traction, too, for the heavier jobs!

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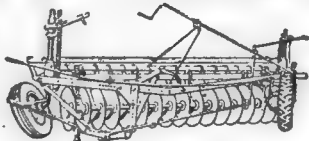
Seven more new advantages help put McCormick W-9 (gasoline) and WD-9 (Diesel) tractors even farther ahead as today's top values among the most powerful standard wheel-type tractors. Get the whole story from your IH dealer.

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"I Never Pray", said Vishinsky Do you know how to pray?

By REV. FRANK S. MORLEY, Ph.D.

AN American senator was returning from Europe on the same boat that brought Vishinsky to America. He remarked to the Russian delegate that he and his wife prayed daily for the peace of the world and the friendship of the United States and Russia. Vishinsky replied, "I never pray."

This statement makes us understand the fear driving the Russians. It makes us understand the peril of war driving the world mad. When people do not pray then they are separated from God and fear and war are inevitable.

Many people do not know how to pray. Just throw yourself into God's waters. You'll learn how to swim. He doesn't hear your fine phrases. He's looking at your heart.

You must, therefore, pray with earnestness. Jesus had a humorous story of a woman who forced a judge to answer her plea by wearing down his resistance. So men should pray with desperation and repetition, says Jesus.

We must also, as Jesus says, "ask in faith, nothing wavering." When Jesus found faith He could do anything. Where it was lacking the very virtue dried up within Him. He could do nothing without our faith. So in prayer learn to relax, inviting the power of God into the subconscious.

Be sure your life is put right with God's will. It is the prayer of a righteous man that availeth much. This does not mean a perfect man. It means a man who strives to make his will conform to God's will. So we pray in Christ's name, which means that we are striving to live and pray as He would do. Having fulfilled these conditions, then let us in the words of Psalm XXXVII: "Leave all to Him, rely on Him, and He will see to it."

Why Pray?

WHY do we pray? Not because prayer is a bit of magic by which we can gain our selfish desires. Not to escape the pain and conflict of life. But so that we may live the victorious life. We can overcome life and keep life from beating us.

Prayer overcomes grief. I know a dear lady who has lost her life's greatest loves. She has suffered so much grief that one would think her heart must break. Yet her face is radiant with peace and her hands are quiet in the security of the love of God. Jesus warned the disciples, "In the world ye shall have tribulation", but He went on to the triumphant conclusion, "But be of good cheer, I have overcome the world". So may we.

Prayer brings us peace of mind. Mental and emotional maladjustments are chronic in modern society. Sociologists think our society is going mad. Every second hospital bed holds a mental case, according to a United States statistic. One person in seven thinks at some time or other of committing suicide. We feel inferior. We have moods of self-pity and resentment. Now Dr. Alexis Carrel, one of the greatest scientists, said that "prayer is as real as terrestrial gravity. As a physician I have seen men, after all other therapy had failed, lifted out of disease and melancholy by the serene effort of prayer." He testified that, "Only in prayer do we achieve that complete and harmonious assembly of body, mind, and spirit, which gives the frail human reed its unshakable strength."

Dispel Fear

PRAYER overcomes fear. It replaces a feeling of incompetency and weakness with strength and courage. It fills the mind with power and peace. Notice the words of the Psalmist: "I shall fear no evil" — not "I shall meet no evil" — "for Thou art with me". Prayer is partnership with God. "He is able to keep you from falling". "My God shall supply all your need".

One night the lights went out in the Church; the power station had failed; the dynamos ceased to function. God is the great dynamo behind this world. His mighty engine of day and night, spring and fall, summer and winter has never missed a beat. He shapes the flowers; He fashions the snowflakes; He makes the stars; He keeps us alive with blood flowing in our veins and hearts beating even when sleeping. How little you have to do with your breathing! How little you have to do with that creative process that renews the entire bloodstream every twenty-eight days and creates the whole body anew every seven years! Or consider the world of nature which puzzled Job: Who controls the flight of the birds or causes the eels to converse off the Bermuda coast, coming from far-off Europe and America to breed and die, and then causes the offspring of these dead eels to return to the exact place from which their parents came?

Renewed Strength

IN securing the Power of the Universe, we must turn the switch of prayer. So Stanley Jones relates—that he broke down from overwork, but when he learned the power of prayer he doubled his work and never again suffered from exhaustion. It is said that the farmer only contributes five per cent of the



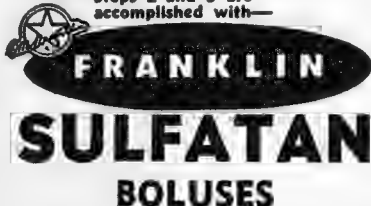
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energy that goes into a crop of wheat. The other ninety-five per cent comes from the Creator. All of us are pensioners. We must through prayer become channels of energy. So Paul says: "I can do all things through Christ who strengtheneth me".

PRAYER can solve every problem. I believe prayer will bring an answer to a dilemma. As James tells us, "You miss what you want because you do not ask God for it."

"Pray without ceasing," said the Apostle, or, as Brother Lawrence put it, "Practice the Presence of God". So pray in the morning. When you rise go to your window and try to picture God and let the image of the holiest and best you know fill your mind. Pray on the streets. Try to recapture that morning vision as you walk through the crowds. Think of God as The Great Companion.

Pray at work. Do not let the cares of this world and the pursuit of riches dominate you. Like the prominent New York business man who keeps on his desk the words, "May the Peace grant you peace continually whatever comes."

Especially pray at bedtime. Psychologists tell us that our minds are seven-eighths subconscious. So into our subconscious at night we can drop thoughts that will come out into the conscious life even as wheat put into the mill comes out flour. Recently a number of famous men told how they made plans and thought on problems, then left the plans and problems for the subconscious to deal with. It is amazing how this part of the mind continues to work on the material we give it and the answers come. In going to bed it is well to have certain phrases that we can drop into the subconscious such as, "God is love"; "In Thee I rest"; "Thou wilt keep in perfect peace whose mind is stayed on Thee because he trusteth in Thee".

You are uncertain and skeptical about prayer? Have you tried it? You say you don't understand it. Do you understand electricity? I don't understand my car, but I drive it. Jesus never said, "Understand me". He said, "Follow me. Everyone that asketh receiveth."

A little boy walked along High Street in Edinburgh carrying a bowl of treacle. He dipped his grimy little fingers into the bowl and then sucked them with great enjoyment. "Is it good?" enquired an onlooker. With great generosity the little fellow thrust the bowl toward the man. "Why don't you try it your ainsel?" The boy was right. That is the only way to decide anything. Try it for yourself. I do not know how to explain it to you. I only know that it works. "Taste and see that the Lord is good".



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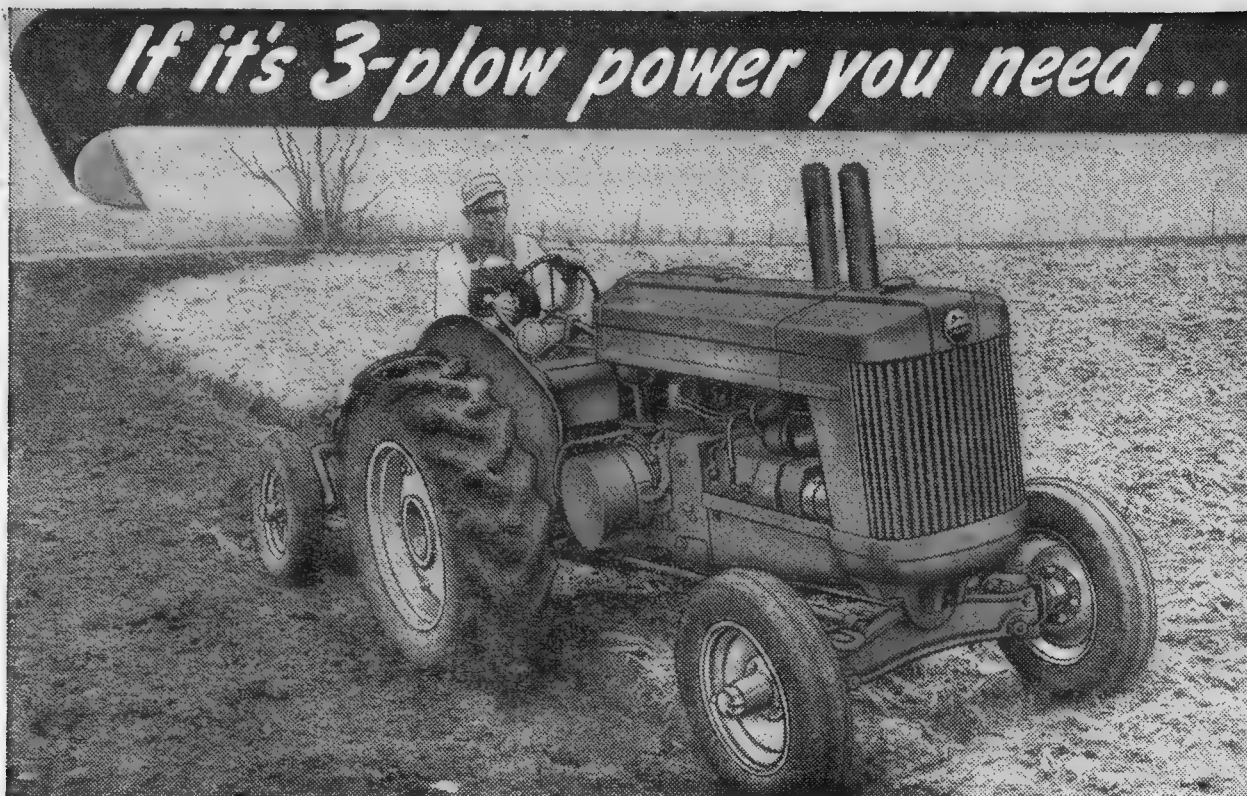
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COMPARE THE full 3-plow John Deere Model "AR" with other standard-tread tractors of equal power rating and you'll be quick to see that John Deere offers you *more value*.

You get a matchless combination of operating features that means faster, easier work every step of the way. Six forward speeds give you maximum capacity on every job. Hydraulic Powr-Trol provides instant, accurate, fingertip control of drawn equipment. Hand clutch gives you complete control of the tractor from seat, platform, or ground. Individual foot brakes for short turns... oscillating front axle... comfortable seat... and roomy platform are just a few of the other time- and work-saving advantages of the Model "AR."

In addition, *regular* equipment in-

cludes power shaft... starter, lights and battery... belt pulley... muffler and spark arrester and swinging drawbar—features you pay extra for in most other tractors.

Best of all, a John Deere will make more money by saving more money for you season after season, year after year. Its simple, rugged construction—the result of *exclusive two-cylinder* design—insures greater dependability, lower costs for fuel, upkeep, maintenance, depreciation!

Your John Deere dealer is eager to show you the Model "AR"—to arrange a field demonstration so that you can drive it yourself. See him soon. Literature on this tractor is yours for the asking; just fill out the coupon and mail today.

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Our Readers Think—

A herd tax

To the Editor:

I see in your November paper an article re taxation on farm buildings. This would discourage building modern homes, which farms are badly in need of.

In place of this, tax cattle, exempt 50 or 75 head per family, as many ranchers just own a small amount of cheap land which has very little taxes compared to good wheat land.

Would be pleased to see this investigated and an article on it in your valuable paper.

A Mixed Farmer.

Stavely, Alta.

Solomon's Folly

To the Editor:

In your November issue you carried a rather sarcastic comment on a previous article, namely: "Solomon's Folly," by Mr. Rodale.

Mr. W. R. Major of Barrhead, seems to doubt the article in question was of any value. Now, if the article had been read in a common way, it would have been a natural truth.

The destruction of forests undoubtedly has an adverse affect on the rainfall. Both the Canadian and the U.S. governments have realized this for some time, and, in the old country, this lessening of rainfall after the cutting or rather the over-cutting of forests has been observed for hundreds of years.

So, why belittle a truly splendid article?

Ludwig Hageman.

Anselmo, Alta.

Praise for the Wheat Board

To the Editor:

I would like to say a "thank you" for the many fine articles appearing in your paper. Especially your Editorials. These are the first I read upon its arrival and I find them so instructive that I re-read them many times. I have been waiting to see if there wasn't somebody better informed and more proficient who would answer some of these letters through your Readers' Forum. To date I have only seen one letter in which the writer said he was 100 per cent for the Wheat Pool, but was against the government Wheat Board.

If I am to state my position, I will say if you reverse your writer's position it would fit me nicely. Your writer's position is or cannot be called tenable in

the light of known facts. For if the Alberta Wheat Pool is the largest grain organization and thereby handles more grain than any other company, then it follows the farmers are reaping the greater benefit.

One of the charges, possibly the biggest charge the government marketing boards are up against when it comes to marketing the different products of the farm, be it butter, eggs or grain, is that of storage, and we may be sure the tendency will be to over charge rather than under charge. The idea being to make it as tough as possible for these government-appointed boards.

We farmers are prone to forget that storage charges represents one of the greatest problems the Marketing Boards are faced with and has to be paid and deducted from the final price paid to the producers. I have figures before me which shows the amount paid to the Pool with one year omitted, which was that of 1945 from 1938-39 to 1948-49. The total amount is \$16,584,445. Well that's not chicken feed. Again let me say these payments almost equalled but not quite the elevator earnings. Now, this was just for one company. If we had the figures for all companies it would be very enlightening as I feel sure the sum would be a staggering one.

Not only that, Mr. Editor, it might help the farmers to understand the stupendous problems which these marketing boards are shouldered with. It is not to be wondered at that many find an early grave. I am an old farmer with vivid memories of conditions we had to face from 1928 to '42 when prices started to rise. It took me 20 years to pay for a tractor and they were about half the price they are now. And I was under a mortgage for 35 years during which time the grain was handled by the grain exchange. We farmers went to town with wagon loads and by the time we bought a sack of flour, a plug of tobacco, you could put the groceries in your pocket.

Farmer Don.

Hardisty, Alberta.

Natural gas exports

To the Editor:

Have just read your editorial in the December issue of your paper and wish to let you know that I heartily agree with your view that Natural Gas should be kept at home. When one reads Vogt's "Road to Survival" and learns how nation after nation has squandered its natural resources one wonders how even the most blind and selfish can favor the exporting of this asset of our province.

G. E. Dickson.

Willingdon, Alberta.

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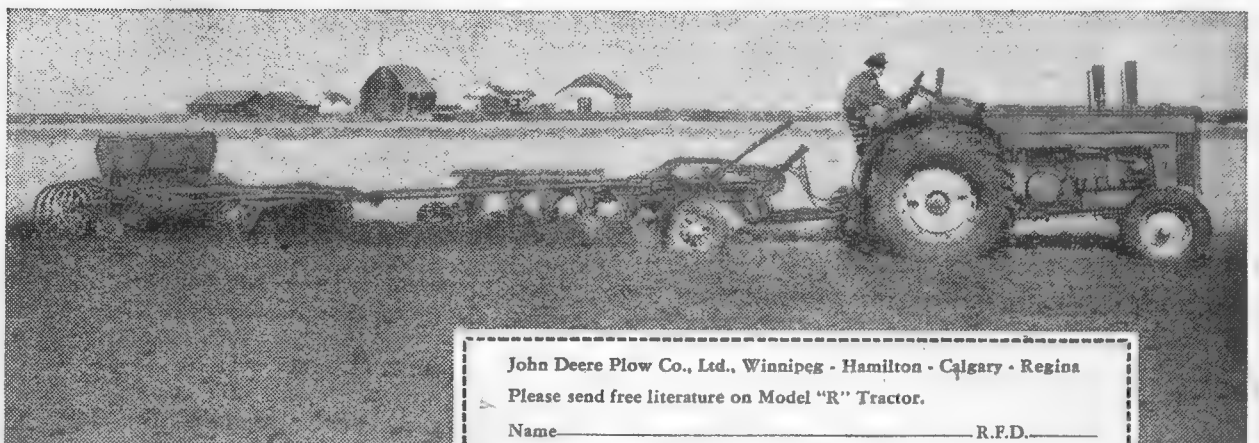
How would you like to save the cost of an auxiliary engine when you purchase a combine, baler, hay chopper or ensilage harvester? You can, when you own a Model "R," because its continuous-running power shaft handles all these machines at top efficiency and rock-bottom costs.

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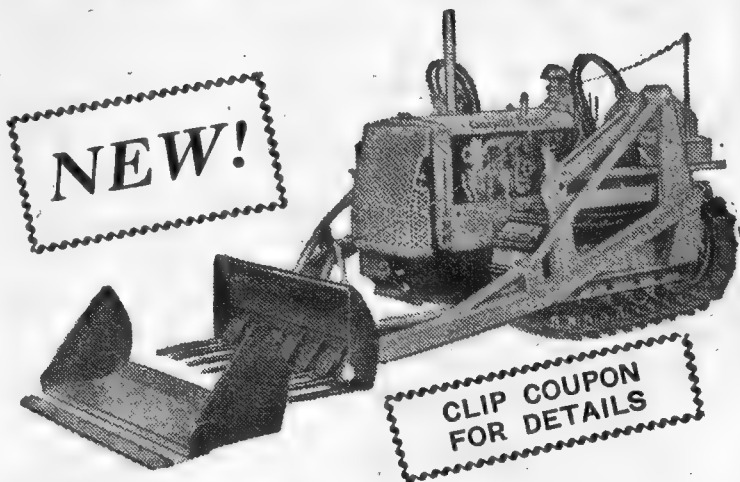
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Prize Picture



Metro Oneschuk, Box 281, Hyas, Sask., caught the cat raiding a gold fish bowl and won \$5.

Winter roughages for range calves

INVESTIGATIONS at Manyberries Range Experiment Station have shown that the younger an animal is, the less weight it can lose and still make normal growth and development. If the practical question of dollars and cents were altogether eliminated it would no doubt be the best policy to winter calves so good gains were recorded. However, under range conditions this is not practical due to the wide spread in the cost of winter and summer gains.

Calves, however, should not be allowed to lose any weight in the winter. Slight gains will be sufficient to allow the calf to grow normally. If it is strong and thrifty when turned out in the spring, it will be in condition to make maximum gains during the grazing season.

The cheapest roughage for wintering range calves is a good field of grass. Calves are good rustlers and will be out grazing whenever weather permits. It is necessary to feed a supplement during stormy weather. Two pounds of oilcake per head per day will carry the calves through winter in good condition.

A series of experiments were carried out at Manyberries to determine the best roughages or combinations of roughages to winter calves. Results have shown that 1,000 pounds of good quality roughage will maintain a calf from early December to mid-March. Best results were obtained from alfalfa, oat hay, bluejoint, crested wheat hay, corn fodder, and mixtures of these feeds. Calves wintered on them were strong and vigorous in the spring, and ready to make maximum gains on grass.

Sweet clover, spring and fall rye, wheat and oat straw, slough hay and Russian thistles were not so satisfactory for maintaining calves. Calves on

these feeds tended to develop more digestive troubles.

Barley hay was tested for one year and found to be inferior to oat hay. Further tests are needed to find the actual place of barley hay in the list of roughages.

Cereal straw is a satisfactory roughage if supplemented with a protein supplement. Two pounds of linseed oilcake plus 8 - 10 of wheat straw have maintained calves in good condition throughout the winter at Manyberries.

During periods of roughage shortage, calves can be maintained throughout the winter on a roughage allowance as low as 4 pounds a day supplemented with linseed oilcake at the rate of 2 pounds per head per day.

In wintering calves on roughage alone, a good quality roughage is essential. This means that close attention should be paid to time of cutting and methods of putting up hay.

● How many people would be mute if they were forbidden to speak well of themselves and ill of others!

—Madame De Fontaine.



"Okay, Mary! Pull!"

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FEATURES

OF THE NEWEST OF ALL NEW CARS FOR 1951

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LONGER, LOWER, WIDER BIG-CAR LOOK — Brilliant new styling . . . featuring entirely new grille, parking lights, fender moldings and rear-end design . . . imparting that longer, lower, wider big-car look which sets Chevrolet above and apart from all other motor cars in its field.

NEW!

EVEN LOVELIER BODIES BY FISHER — With new and even more strikingly beautiful lines, contours and colors . . . with extra sturdy Fisher Uni-steel construction . . . Curved Windshield and Panoramic Visibility . . . the smartest, safest, most comfortable edition of Chevrolet's Famous Bodies by Fisher.

NEW!

MODERN-MODE INTERIORS — With upholstery and appointments of outstanding quality, in beautiful two-tone color harmonies . . . with an even more attractive steering wheel embodying a new full-circle horn ring (in De Luxe models) . . . and with extra generous head, leg and elbow room for driver and all passengers.

NEW!

SAFETY-SIGHT INSTRUMENT PANEL — Safer, more convenient, more efficient . . . having an overhanging upper crown to eliminate reflections in windshield from instrument lights, and lower edge of panel recessed to provide a safe, convenient location for control knobs . . . with plain, easy-to-read instruments in two large clusters directly in front of driver.

NEW!

MORE POWERFUL JUMBO-DRUM BRAKES (with *Dub-Lite* rivetless brake linings) Largest brakes in Chevrolet history! Extra-safe, extra-smooth, extra-durable . . . with both brake shoes on each wheel self-energizing for forward and reverse operation of car . . . providing maximum stopping-power with up to 25% less driver effort.

NEW!

IMPROVED CENTRE-POINT STEERING (and *Centre-Point Design*). Making steering even easier at low speeds and while parking . . . just as Chevrolet's famous Unitized Knee-Action Gliding Ride is comfortable beyond comparison in its price range . . . additional reasons why more people buy Chevrolets than any other car.



It's good to have *all* the things you want in a motor car, *and* to have them at *lower cost* than they can possibly be found anywhere else.

That's exactly what you'll have when you buy a new 1951 Chevrolet — *Canada's largest and finest low-price car* — now available with a proved, completely automatic transmission, POWERGLIDE*!

You'll own the newest new car for '51—refreshingly new, inside and out . . . with that longer, lower, wider "luxury look" that stamps it as the most beautiful car in its field.

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My brother's fabulous cat

By H. P. PARKER,
Elk Point, Alta.

WE owned a cat, a three-colored one, which, on every available chance, went hunting small game with my younger brother. On such trips she would retrieve the wounded game such as a grouse or rabbit, following it some little distance if necessary. She had such an ardent wish to go hunting, that, on my brother picking up his rifle, she would immediately come to his feet, prepared to follow him.

In case he departed without her, as he did when planning to go a long distance, the cat cried most mournfully as though in some pain. If not kept within, for from 20 minutes to half an hour, the cat, at any time in this period, would follow after my brother. Sometimes she would go as far as a quarter of a mile, and, if he was anywhere near, would find him. In this following, she took shortcuts, and would go to the sound of the gun if it was to be heard.

She also knew the direction of a target, and would go to the spot where the bullet struck and sniff about it. This cat could also unlatch a door when wishing to enter the house, and often and customarily did so.

How many wild oats seeds per acre?

ONE reason why wild oats is such a troublesome weed on the prairies may be its sheer numbers. In the fall of 1949, H. W. Leggett of the Dominion Experimental Farm, Lacombe, made a sampling of a field that produced astronomical figures.

Twenty soil samples of eight square inches were taken to a depth of six inches. The soil was sifted and all the wild oats seeds removed. From the number of seeds removed it was estimated that an acre of land would contain 70.7 bushels per acre.

Not too much is known yet about the germination habits of wild oats. Such a saturation of the land with seeds, however, would make it certain that some would germinate. The land was cultivated with a one-way in the fall and a duck-foot cultivator and cable weeder was used before seeding.

This area was not seeded until June 2 and the crop was free of wild oats. An adjacent field, however, that was seeded on May 8 was polluted with the weed.

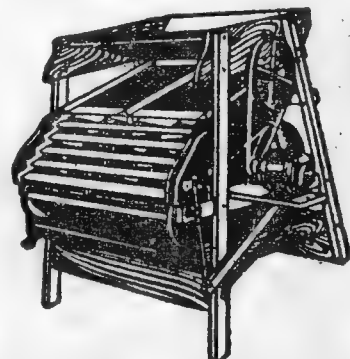
So where wild oats is a problem, some control is possible even in fields badly infested with seeds. Shallow cultivation in the fall and before seeding and late seeding of grain showed worthwhile results at Lacombe.

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MONEY
LABOR**



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Improved
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Outstanding Features:

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New vegetables from Morden

NEW vegetable varieties are introduced to the gardening public every year. Some of these are new sorts produced by plant breeders and others are improved standard varieties.

These new vegetables are tested by a number of institutions across Canada in a testing system known as the Canadian Merit Trials. The Dominion Experimental Station, Morden, Manitoba, takes an active part in this work. The results of the 1950 tests have been tabulated for general public information. It is of interest to note two new green pod beans, — Topcrop and Richmond Wonder, both yielding outstanding results. Other new sorts, Ranger, Florida Belle, Rival and Masterpiece-Netherlands strain, all green podded, failed to impress. Early garden beets were favored by Red Beauty which had superior table quality and red flesh color as compared with Green Top Bunching.

Sugar Prince exceeded in quality the new Sun-Up variety as a large-eared early variety sweet corn. In the mid-season class, Ottawa CH5, Gold Rush and Alpine Bantam were excellent for freezing or canning purposes. Tendermost rated highly as a late corn hybrid. New slicing cucumber, Palmetto, rivalled the old favorite Delcrown variety. Extra Early Green Prolific pickling cucumber was more desirable than National Pickling or the new Producer variety.

The new head lettuce varieties, Premier Great Lakes, also strains numbered 407, 428 and 659 were outstanding in the cool June of 1950. Progress was another desirable variety but the New York types failed to impress. In onions, Early Yellow Globe hybrid had much merit. Its plant vigor and bulb size were excellent. Southport Yellow Globe (Brigham strain) was outstanding in bulb size and quality. The Sweet Spanish hybrid yielded poor results. Among new and impressive pea varieties were Topper, for commercial canning; Perfected Freezer for freezing purposes; and Arctic Sweet, Morse Progress No. 9, Wando, and also Lincoln for home garden use.

Cherry Belle radish excelled in root color and quality favorites, such as Comet and Lone Star. The Morden strain of King of Denmark spinach was considered superior to the new Cavallius variety.

Tomatoes of merit were Morden's new Meteor variety and the new Mustang and Monarch bush hybrids. All were marked by large, smooth and brightly colored red fruits. They were early and had excellent table quality.

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Farm improvement loans can be used to buy new implements, machinery and equipment to make your work easier and more profitable. Amounts up to \$3,000 may be advanced under the plan and the money repaid by instalments spread over one, two or more years. The rate charged is 5% simple interest. Ask for full particulars at our nearest branch.

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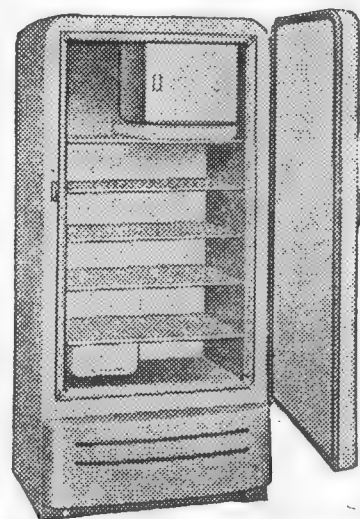
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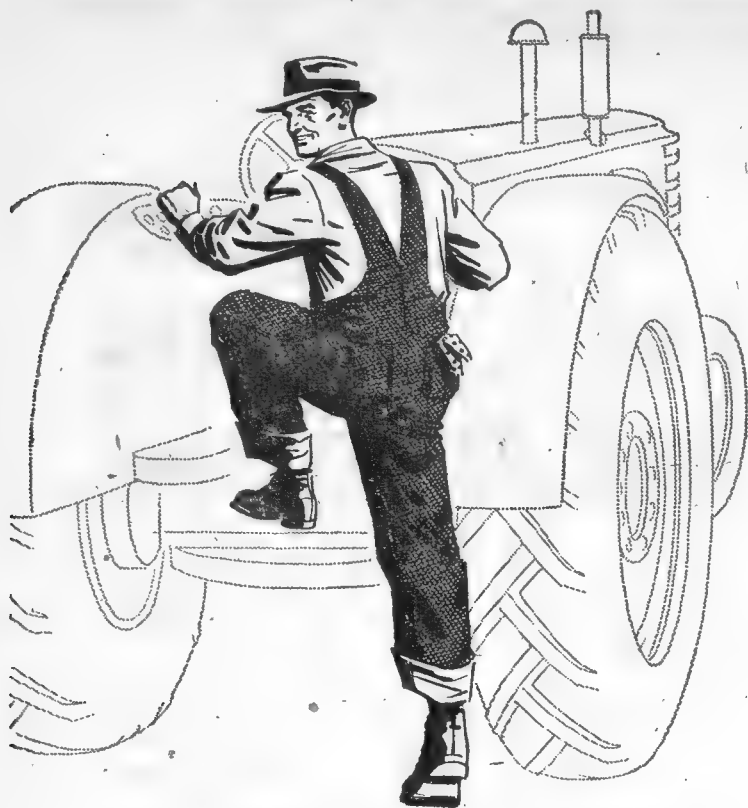


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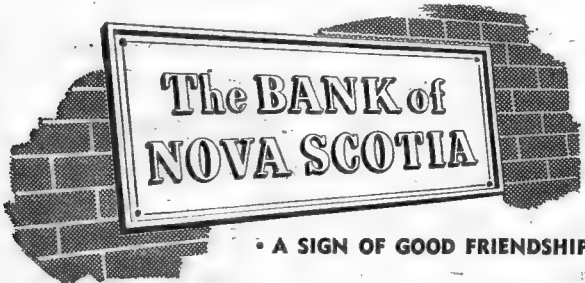


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or used
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If you can get behind the wheel of a new tractor—or a used one—and make more money, you don't have to wait.

Perhaps you have plans for new equipment, new stocks, or improved buildings all worked out, but just lack ready cash to go ahead.

Whatever your need, your nearby Bank of Nova Scotia manager looks at it this way: If a loan is sound business for you, it's sound business for the Bank. Discuss a Farm Improvement Loan with him the very next time you're in town.



When Father Lacombe stopped an Indian war

By KATHERINE HOWARD

SOME nine miles north-west of the City of Edmonton, the little town of St. Albert clusters in picturesque beauty at the foot of a hill, on the banks of the Sturgeon River. From the hillside above the town, the statue of Father Lacombe, the Oblate priest in

whose honor the town is named, looks down on the stream of glittering automobiles and trucks that travels the highway north and south.

When the courageous priest, whom the Cree Indians called, "The Man of the Beautiful Soul," established his mission at Lac Ste. Anne in 1852, fifty miles of where Edmonton now stands, he surely could not have foreseen some eighty years afterwards, wide roads, teeming with traffic would cross the hunting grounds of his Indian friends.

Yet only eighty years ago, the thriving agricultural district the macadamized highway, the towns and busy cities, were stretches of timber and bush and rank wild grass, haunts of the buffalo and the wolves.

Then the Cree and Blackfoot Indians, the Cree-Assiniboines and Metis, travelled in bands of two or three hundred, and hunted the buffalo from their settlements at Lac Ste. Anne, St. Paul, and St. Albert, throughout the length of Alberta to the borders of Montana.

Fort Edmonton, the flag flying over its palisades, was a centre of fur-buying activity in those days, and was often visited by Father Lacombe, whose indefatigable labors among the Crees, filled those people with love and admiration. The gentle priest's care extended also to the hereditary enemies of the Cree, the Blackfoot tribe, and it was during a battle between the two tribes that the intrepid Father received a bullet wound in his forehead.

Stray Bullet

He had stepped out into the open country between the two sets of warriors, carrying the white flag of truce and calling to the Indians to cease their fire, when a stray bullet caught him.

Loud lamentations from both sets of combatants, each accusing the other of having fired the shot, put an end to that particular battle; but the bravery of Father Lacombe was not forgotten and when he recovered from the wound, he was hailed, not only as a friend by the Crees, but as the "Man of Good Heart," by the tribe of the Blackfeet, too.

Skinny men, women gain 5, 10, 15 lbs.

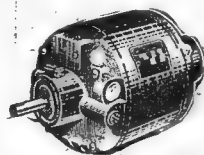
Get New Pep, Vim, Vigor



What a thrill! Bony limbs fill out; ugly hollows fill up; neck no longer scrawny; body loses half-starved, sickly "bean-pole" look. Thousands of girls, women, men, who never could gain before, are now proud of shapely, healthy-looking bodies. They thank the special vigor-building, flesh-building tonic, Ostrex. Its tonics, stimulants, invigorators, iron, vitamin B₁, calcium, enrich blood, improve appetite and digestion so food gives you more strength and nourishment; put flesh on bare bones.

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Don't fear getting TOO fat. Stop when you've gained the 5, 10, 15 or 20 lbs. you need for normal weight. Costs little. New "get acquainted" size only 60c. Try famous Ostrex Tonic Tablets for new vigor and added pounds, this very day. At all druggists.

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In the year 1870 the gallant priest saved the west from an Indian War that seemed almost inevitable. The incident began when Father Lacombe, upon journeying back to his mission at St. Albert, from Southern Alberta, met several hungry and wounded members of the Black-foot tribe.

The temperature was far below zero, and the Indians were nearly inarticulate with rage and despair as they excitedly told the priest how they had been ambushed by the Crees, close to Fort Edmonton. Their women and children and many of their men had been massacred, and they were straggling back to their camps to advise their warriors to do battle immediately, in reprisal.

In spite of Father Lacombe's emphatic denials, the Blackfeet asserted that the white men in Fort Edmonton had assisted in the slaughter, and went on towards their encampments, muttering threats of vengeance.

The priest returned to St. Albert, anxious and fearful of what would happen. Some days later his fears were justified when he learned from some of the Crees, that the Blackfeet were planning to attack Edmonton. Hurriedly, he left for the Fort, and found it in a state of siege with every living soul inside the walls, and the Cree warriors hiding in bands along the river, waiting for the attack.

When the Blackfeet braves, intent on revenge arrived on the south bank of the Saskatchewan, it was soon apparent that the siege would be long and hazardous, as the Crees and the whitemen of the Fort were greatly outnumbered by their adversaries.

Courageous Act

The situation was desperate as the Blackfeet kept up a steady fire at the Fort, when the black-robed Father Lacombe proved his valor once again. Under cover of darkness he stole out of the Fort and advancing to the river's edge, called to the Blackfoot Chief to confer with him.

Because of his friendship with the tribe, his sincerity and the fact that the chief knew him to be a man of integrity and truth, the priest managed to convince the chief that the blame for the killing of his people did not lie on the shoulders of the white men.

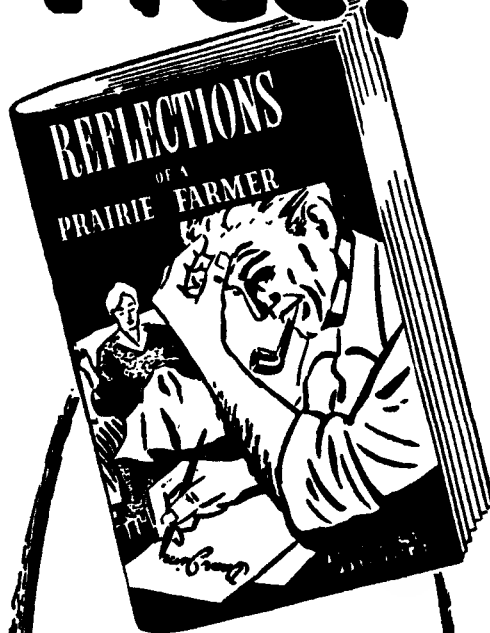
The chief ordered his warriors home and Father Lacombe quietly returned to his mission and his work at St. Albert.

High price for wool

Australian wool has been selling at an exceptionally high price. The 1949-50 production will bring in about \$500 million (Canadian). Unfortunately for Australia, most of the money received for the sale of the wool is in pounds sterling and not in dollars.

the KILLING of a PRAIRIE MYTH

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-- a challenge to decide for themselves through their own study of grain marketing problems, whether or not Professor McDougall was correct when, among other statements he said:

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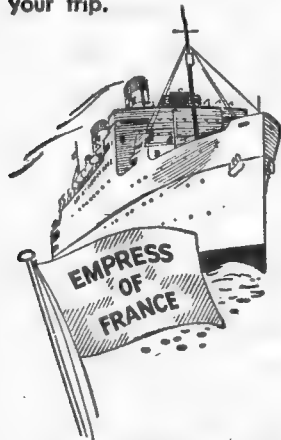
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Evergreen hedges for prairie gardens

By H. P. HARP

EVERY year sees many attempts to establish evergreens in prairie gardens, as hedges, lawn specimens, or as foundation plantings. In many cases these attempts represent wasted effort, time, and money. Most failures may be traced to a poor choice of varieties or careless planting in exposed sites. Evergreens are not so easily established as deciduous trees or shrubs and extra care should be given to ensure success.

In all cases, where it is proposed to plant evergreens, the soil should be in a good state of cultivation, and free of perennial weeds. Good drainage is needed, especially for pines. They do well where soils are not heavy.

The Swiss Stone Pine makes a handsome specimen tree. It is perfectly hardy and slow growing, which makes it a valuable specimen for small gardens. Most of the Pines enjoy neutral soils and will not tolerate high lime soils. This is especially true of Swiss Stone Pine; but where the soil conditions suit, it will develop into a handsome tree. Red Pine and Scotch Pine do well where soil is suitable and some shelter from wind can be provided till plants are established.

The "Mugho" Pine makes a good informal hedge as it stands trimming well. As for foundation planting, especially for north or east borders, "Mugho" Pine is recommended. Most varieties will give a better account of themselves when planted where they are shaded from intense sunlight, and protected from drying winds. "Browning" of the young growths that make the plants so unattractive for a long period in early summer is thought to be due to drying winds and sun glare.

Several varieties of Spruce are widely planted as wind-breaks and hedges. Native White Spruce, Colorado Spruce

and Black Hills are all reliable and hardy. When set out as hedge plants they should be planted 2 feet apart. No pruning should be attempted until the plants have become established in their new surroundings and then they only require to have the centre shoot or tip growth pinched out to make the plants "bushy". Subsequent prunings are made each July.

Transplanting

There are two periods in the growing season when evergreens may be transplanted with a greater chance of success. First, when the new buds begin to swell, which usually takes place in mid-May, and, second, when weather conditions are favourable in late August; this latter date is recommended when soil moisture is adequate and when facilities for watering the newly set plants may be had. One desirable feature favouring the successful transplanting of evergreens at this season of the year is warm and conducive to the growth of new roots.

On large properties it may be desirable to plant a specimen at the edge of the lawn. Grafted varieties are choice and give distinction. Koster's Blue is most popular and available from local nurserymen. Extra care should be taken in transplanting these trees as they are costly. It is suggested that a screen of burlap be placed in position to shield the tree from hot winds. This will only be necessary the first summer. Spraying the newly-set tree with water after hot days will be helpful, and it must not be allowed to suffer from lack of water at the root.

Most satisfactory results are obtained from local or prairie nurserymen who propagate their own stock which is hardier and better than stock obtained elsewhere. Important, too, is the need for promptness in planting stock. Never for a minute should plants be expos-

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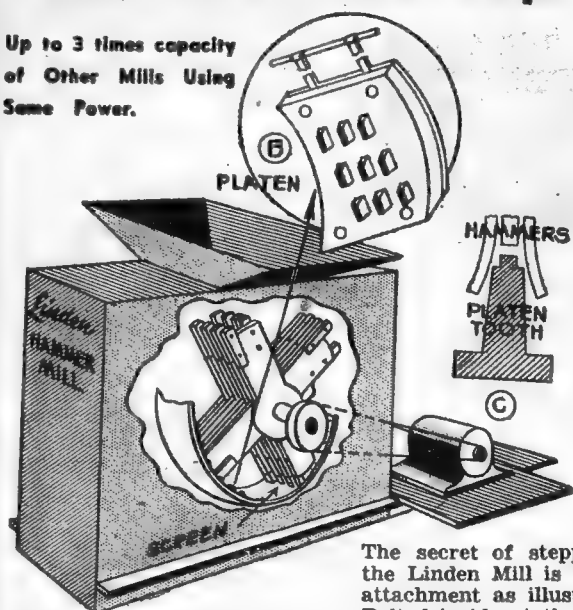
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B.C. fruit growers have their worries over markets

By A. J. DALRYMPLE

VERNON, B.C. — History has a way of writing itself rather quickly; that is if you measure it in terms of the human span of life.

That was one of the many thoughts that came to me as I sat in the back of the Canadian Legion Hall in Vernon in mid-January and looked out over the more than 400 persons who listened to the many informative addresses given at the 62nd annual convention of B.C. Fruit Growers' Association.

For instance, it seems only a few short years ago, that we thought of B.C. fruit and vegetable production as being in its infancy. Today, we attend the meeting, read the agenda, and suddenly realize that more than half a century of production is on the record in these fertile B.C. valleys.

And it might be, too, that this food industry is still in infancy; and for several reasons. Advanced science is playing a great part in production. Trends are changing constantly. Markets are shifting; and a lot of thinking is being done, and considerable action is being taken to lesson the gap between producer and consumer.

There are about 70 delegates attending this convention. They were drawn from several thousand growers. In addition to the registered delegates there were scores of orchardists who attended to ask questions of scientists drawn from our universities, government agencies, and friends from the United States.

AS is always the case with farming, the annual reports revealed a series of ups and downs.

A. K. Loyd, president, said: "The apple crop during the past decade has increased from an average of about five million boxes to an average of approximately eight million, and prior to last season's disastrous frosts it had at least a potential of ten million boxes.

"Increase in production can be ascribed partly to new plantings, somewhat better prices of the war years, certainly improved production methods,

with consequent increase in tonnage.

"Although we are discussing apples, the same is true in even a more striking way in various varieties of soft fruits.

Reduced Markets

"During the same decade our markets have been steadily curtailed by conditions over which we have no control. In some quarters there is a tendency to feel that these export markets are something abnormal, but this is not the case.

"They have been painstakingly developed for many years as an integral part of our distribution system. Our production includes important apple varieties which had been designed almost solely for export purpose.

"Fruit juices and by-products do not present the same sort of solution to a dessert apple industry, such as ours, as they do in other sections.

"Consequently, unless we can devise some remedy, as little harmful as possible to our economy, we are confronted with a situation where from year to year an unknown quantity of fruit may be presented at harvest time with, under present conditions, a strictly limited outlet into consumption.

"It should be stressed also that higher freight rates are every bit as effective as currency restrictions and adverse subsidies as an agent for curtailing markets.

"Some sort of insurance scheme is overdue, or sooner or later we will be confronted with an impossible situation, in which it is not humanly possible to distribute goods upon which a considerable investment has been made in our artificially limited markets at price levels which will even recover the investment.

"An approach to any type of solution must be scrutinized very carefully."

Mr. Loyd then spoke of Cee Grade apples, saying that some persons had suggested that shipping Cee Grade be abandoned. He did not agree. He pointed out that there had always been a demand for a certain amount of Cee Grade. There were families in restricted income brackets who could not buy the upper grades.

Volume Problem

Then, too, the absence of Cee Grade might necessitate for distribution purposes, a lowering of price on the two higher grades in order to maintain volume movement.

Mr. Loyd added: "If we have to accept the fact of much diminished markets for some years, we must make arrangements to adjust tonnage at the beginning of the harvesting

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season to meet the situation as it appears from year to year.

"In order to find an instrument which would have the effect of adjusting the crop we would have, I believe we should turn to the grade and size regulations for packing.

"If the crop was large and there was no apparent betterment in the outlets available, then certain sizes would have to be eliminated, and the extent to which this was done would govern the size of the crops, which it was thought desirable to handle in the interests of the industry as a whole."

J. B. Lander, sales manager, B.C. Tree Fruits Ltd., gave a report on shipments in and out of the province during the past year.

"I Saw . . ."

A most interesting, but sincere friendship was formed between two young turkeys and a duckling when the mother hens turned them on their own to go back to their own duties of laying eggs. Not once did the duck seek out the other tame ducks on the nearby sloughs with one exception. I took him to the slough and threw him in to join his own duck relatives, whereupon the two turkeys made their way through the tangled undergrowth and coaxed him out. A few minutes later the three friends were seen chasing after grasshoppers as usual on the front lawn. The turkeys, too, went against the natural urge to roost upon high places. Only one night did they fly upon the ridge pole of the henhouse. Their faithful friend, amid queer duck noises, gained the top of the woodpile close to their airy perch. The next night as usual they were roosting on low poles with the duck nestled on the ground as near as possible.

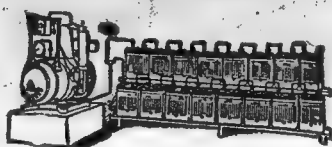
Mrs. Don W. Clark.
Box 340, Stettler, Alta.

One morning as I was looking out the window I saw a squirrel sitting on the ledge of an old car seat that was on the ground. He was indeed a busy fellow, for, as I watched, it was pulling out wadding out of the old seat, and using its front feet appeared to be filling its mouth. After making its jaws fairly puff out, he scampered away to the spruce trees near by. As I watched, it repeated the same performance several times. The busy little fellow must have been preparing a very fine nest for the cold winter ahead.

Mrs. W. D. Middlemiss.
Meadow Lake, Sask.

Pudgy, my niece's little Fox Terrier, had a rather unusual habit. He would, when hungry, go to the garden and pull himself a carrot and eat it. No, he didn't make a pest of himself, but was content with his carrot or two each day.

Mrs. Leon Dobrowolski.
Amiens, Sask.



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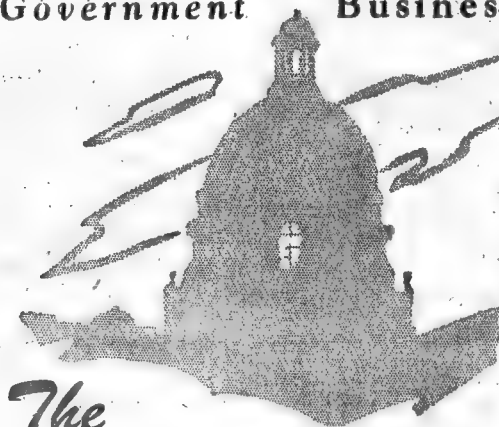
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The book entitled, "Rheumatism," fully explains why drugs and medicines give only temporary relief and fail to remove the causes of the trouble; explains how for over 31 years The Ball Clinic has helped thousands of rheumatic sufferers.

You incur no obligation in sending for this instructive book. It may be the means of saving you years of untold misery. Address your letter to The Ball Clinic, Dept. 506, Excelsior Springs, Missouri, but be sure to write today.

Government Business Is Your Business



The Twilight Years



Our way of life leads us to believe that some measure of comfort, security and contentment is a natural right, whether we are employable or not, whether we are approaching the end of a useful life, whether an orphan, widow or blind.

Your Department of Welfare through the branches outlined below, is constantly trying to improve the services and benefits rendered, to achieve the best possible social democracy.

OLD AGE PENSIONS: First introduced in 1929, the maximum old age pension now payable in Alberta under dominion-provincial agreement is \$40. In addition, the province makes a supplementary allowance of \$10 per month to all pensioners of Alberta residing in the three western provinces and provides hospital, medical, dental and optical services free to all pensioners and dependents. Pensions are paid to the blind at 21 years of age.

MOTHERS' ALLOWANCES: Aid is provided by this Branch to needy widows, wives of persons committed to a mental hospital, and to women who have been deserted; who have children under the age of 16 years, or under the age of 18 years if attending school and making satisfactory progress. Hospitalization and treatment services for all recipients and dependents are provided by the province free.

CHILD WELFARE: All children who become wards of the Government by Court Order, or by Agreement or Indenture, come under the control of the Child Welfare Commission. It is the policy of the Commission to have such children placed as soon as possible in ap-

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2-WAY PROTECTION

- ① Controls smuts
- ② Protects against root-rots

CERESAN M not only kills smut spores on the seed, but also forms a protective film around the seed which resists the attacks of soil-borne diseases. That's because **CERESAN M** is a mercury formulation . . . and only a mercurial seed disinfectant gives your seed this two-way protection. Likewise, a mercurial is the only seed disinfectant which will improve germination, especially of frosted seed.

STOPS SMUTS IN ALL GRAINS

CERESAN M controls stinking smut (bunt) of wheat, loose and covered smuts of oats, covered and black loose smuts of barley, stinking and stem smuts of rye.

A superior action is obtained, as **CERESAN M** vapourizes and the mercury vapour completely destroys the smut spores on every kernel. So thorough is the action that the vapour even kills spores under the seed coats of oats and barley.

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Root-rots and other soil-borne diseases are a very real menace to your crop. By killing and stunting seedlings, the stand is thinned and weakened which results in lower yields. **CERESAN M** protects your seedlings from the ravages of soil-borne enemies as well as giving superior smut control.

30% INCREASE IN EMERGENCE FROM FROSTED SEED

Unlike some disinfectants which often reduce germination, **CERESAN M** actually improves the germination of all your seed. This is especially

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TREATMENT COSTS ONLY 3¢ TO 4¢ PER ACRE

CERESAN M is a low-cost crop insurance against losses caused by smuts and soil-borne diseases. A few cents invested pays you back dollars in bigger yields, cleaner grain—no smut dockage.

...

This year and every year, treat all your seed with the disinfectant that protects *all* types of grain against both smuts and root-rot. Ask your farm supply store for **CERESAN M**.

CERESAN M GIVES YOU THESE 5 ADVANTAGES

- 1 **CERESAN M** contains mercury—the most effective seed disinfectant known.
- 2 Stops smuts in all types of grain.
- 3 Protects seed against root-rots and other soil-borne diseases.
- 4 Up to 30% increase of emergence or stand from frosted seed—improves germination of all good seed.
- 5 You need buy only one seed disinfectant, as **CERESAN M** treats all seed grain and also flax.

One day I was going through our field when I saw a ground hog. I went home and got a spade and started digging. I found where he was staying and where he was sleeping. On his bed he had some hay. When he heard me he started digging farther and covering his hole so I couldn't get him.

Mike Falebrenza.

Culp, Alta.

★ ★

One day Daddy brought home a load of wood and there was one log that I noticed was not the same as the rest. There was a knot or branch that grew out of the tree, and about a foot higher grew right back into the tree. It was for all the world like a handle.

Marion Pichette.

Chitek, Sask.

★ ★

I saw a fish about twelve inches long in a large rock that the men uncovered when they made the dugout north of town. The stone was about three feet through. They dragged the stone out with a tractor, and when the boys were making a softball diamond, some of them broke the rock up with a sledge hammer. This exposed the fish. It was shaped somewhat like a ling. The rock was round as if it had been rolled by glaciers.

(Miss) Eveline Brown.

Glenside, Sask.

★ ★

About 9 o'clock one evening in late November my mother went outside to get the clothes off the clothes line. She heard a rustling and howling in the trees. All of a sudden something came racing across the garden right towards her. She ran to the house, but stopped at the corner to see what it was. It was a coyote which had come into the light shining through the window. My mother went in to get my father to come with the .22 rifle. When Daddy got outside, the coyote was gone, but in a few minutes came running across the garden again. Daddy kept firing at the dim shape until he wounded the coyote. The animal managed to crawl away into the trees. Hunting around with the flashlight my father and mother found him under some evergreen trees and my father fired one more shot which finished coyote.

Arlene McNairn.

Neville, Sask.

★ ★

One of our cows had ran away and I went to look for her. I was bare-footed, and, while walking I put my foot into a gopher hole. I felt something hard and thought it was just a dead gopher. Then I dug a little around the hole and watched for a little while. Then out crept a big long snake which I killed and brought home. I won't put my foot into a gopher hole again.

Elmer M. Toewen.

Bagot, Man.



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One morning, Nov. 17, 1950, at 15 below zero, I was going to the barn to do some chores, I saw 9 baby chicks peeping around the barn on the snow. I looked under the barn, there the mother sat on more eggs. The chicks must have been about two days old. I put the hen in the chicken coop, and the baby chicks are nice and healthy in the house.

James Dribenki.

R.R. 5, Edmonton, Alta.

★ ★

One day my brother and I saw several partridge chicks. We caught three and took them into the house to show my sister. We suddenly heard mournful sounds outside. We went out and there was the partridge mother. She had followed us home. We let the chicks go with the mother.

Last summer I noticed quite an unusual attachment. Our cat had befriended a baby groundhog and absolutely would not let anyone come near it.

Ida Knutson.

Etomami, Sask.

★ ★

One day I was hoeing potatoes. The weeds were thick, and all at once I saw a baby rabbit under a potato plant. I picked it up and took it to the house. While I carried it, it cried like a bird. After I showed it to my mother and sisters I turned it loose.

R. Lubeseder.

Prairie Echo, Alta.

★ ★

One day my brother and I were out in the barn feeding the horse. A stray cat we had tamed came into the barn. She wanted us to pet her, but we couldn't, because we had to give the horses their dinner. After we fed the two teams, and were feeding the horse that stands alone, we saw the cat standing in the horse's feed box, and the horse standing there petting it by rubbing its nose up and down her back.

Miss Eileen Musselman.

Peesane, Sask.

★ ★

Once when I was washing the car windows I heard our turkeys making a funny noise. When I went over to their coop I found them moving back and forward in front of their coop, and their mother had layed an egg and they were scared of it. When I picked it up they all went in with their mother.

Donald Charney.

Clarkson Valley, Alberta.

★ ★

We went to a grove of jack-pines to pick blueberries. While we were eating lunch a big bird flew into a tree near us. It was a whiskey jack, and when one

of us dropped a crust it flew down and picked it up. It flew to a tree, stuck the crust on a branch and flew back to watch us. We threw another crust and it did the same thing. Pretty soon there were about six whiskey jacks, all begging for crusts to hide in different branches of different trees. They would come almost up to us to pick up the bread. I just hope they found it all when they wanted dinner.

Arthur Magill.

Dewberry, Alta.

★ ★

On the afternoon of January 15th, 1951, it began to rain. The sun was shining very brightly, and, as I was sitting by the kitchen table, I happened to glance out of the window. There in the north-east was the most beautiful rainbow. My mother and I went outdoors to view it better, and found it to be a complete rainbow, extending from north-east to the north-west. The double rainbow began to form but only went a very short distance when it faded out. Others who saw this marvelled at seeing such a scene of summer in January. It was one of the most beautiful rainbows I have ever seen.

Dora Tindall.

Champion, Alta.

★ ★

One day my little sister went for a walk. She got tired, so laid down on the grass and went to sleep. It was a very windy day. Our dog, Lassie, was with her. When I found her, Lassie was lying down by sister's head, thus sheltering her from the strong wind. Both were enjoying a good sleep.

Barbara West.

Box 46, Clondonald, Alta.

★ ★

My father sold a horse to a farmer in Maple Creek, Sask. A week later the same horse was again grazing in our fields. Nobody knew how it had gotten there.

Andrew J. Wurz.

Box 96, Lethbridge, Alta.

★ ★

My brother and I were looking at some traps. I saw something black sitting in the snow. I walked up to the black object. I said to my brother, "It is a dead partridge." It must have frozen to death. I went a little closer to pick the partridge up. Before I even got my hands near the bird, it flew in the air. From this experience I learned that when it is cold, the partridge makes himself a hole in the snow with his wings, and keeps himself in the snow for warmth.

Monna Tunke.

Dixonville, Alta.

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WHO MAY ENTER—Contest is open to anyone residing in Canada, excepting any person, or any member of the family of such a person, who has won \$300.00 or over in any contest whatsoever. Also excluded are employees of The Canadian Hobby-Craft Magazine, or members of their families.

THE PROBLEM—In the puzzle, four creatures are going after that POT OF GOLD—a hare, a tortoise, a bird and a fish. They're going to run for it, crawl for it, fly for it, and swim for it. What they don't know is that three of the paths are blocked, and only one is clear.

Your job in solving the puzzle is to find out which path is open to the centre. You will simply have to trace it out for yourself and see. Then you'll know which creature can reach the gold!

WHO WILL REACH THE POT OF GOLD—Will it be the hare, the fish, the tortoise or the bird?

Each creature is stationed at one entrance to the maze. Every line in the sketch represents an insurmountable wall. One entrance, and one only, leads to the centre. Which creature can reach the POT OF GOLD?

A little effort now can win you one of those handsome CASH PRIZES. But you should ACT NOW.

Solution Blank

I choose the HARE ☐ FISH ☐
TORTOISE ☐ BIRD ☐ to reach
the POT OF GOLD. Without
obligation, please send me complete
details on how I may win
one of those 100 CASH PRIZES
as my share of the POT OF
GOLD.

Mail solution to:

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Dept.: "FZ-1"

(Please print — Do not write)



Name

Address

Prov.

Extra MONEY FOR PROMPTNESS ★ Enter NOW!

RUNLAND

THE FAMILY ENTERTAINER

BY
A.W. NUGENT
THE WORLD'S
LEADING
PUZZLEMAKER



UNLISTED: KNEW HONOR

TRANSPOSE THE ABOVE SEVENTEEN LETTERS TO SPELL THREE OTHER WORDS SUGGESTED BY THE PHRASE ITSELF.

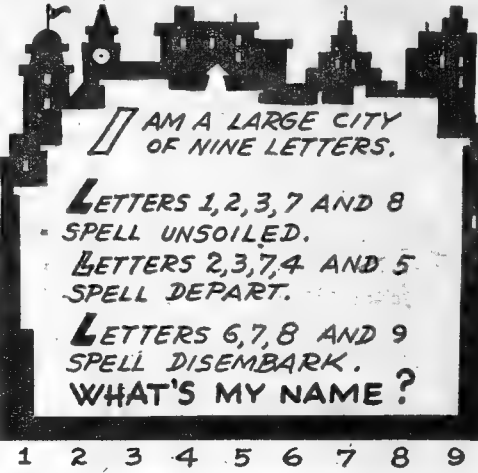


HERE YOU ARE TRAPPED IN A HAUNTED HOUSE AND HAVE VERY GOOD REASONS FOR WANTING TO ESCAPE FROM THE PREMISES. START FROM THE DOOR AND SEE IF YOU CAN TRACE ALONG THE CROOKED PATHS TO "FREEDOM" WITHOUT CROSSING A LINE.

A.W. NUGENT



CONNECT THE DOTS COUNTING BY THREE'S.



I AM A LARGE CITY OF NINE LETTERS.

LETTERS 1, 2, 3, 7 AND 8 SPELL UNSOILED.

LETTERS 2, 3, 7, 4 AND 5 SPELL DEPART.

LETTERS 6, 7, 8 AND 9 SPELL DISEMBARK. WHAT'S MY NAME?

1 2 3 4 5 6 7 8 9

JIM PANZEE IS LOOKING ALL OVER ANIMALAND FOR HIS TWO ELEPHANT FRIENDS BUT CAN'T FIND THEM. THEY'RE RIGHT HERE BEFORE HIS EYES. CAN YOU SEE THEM?



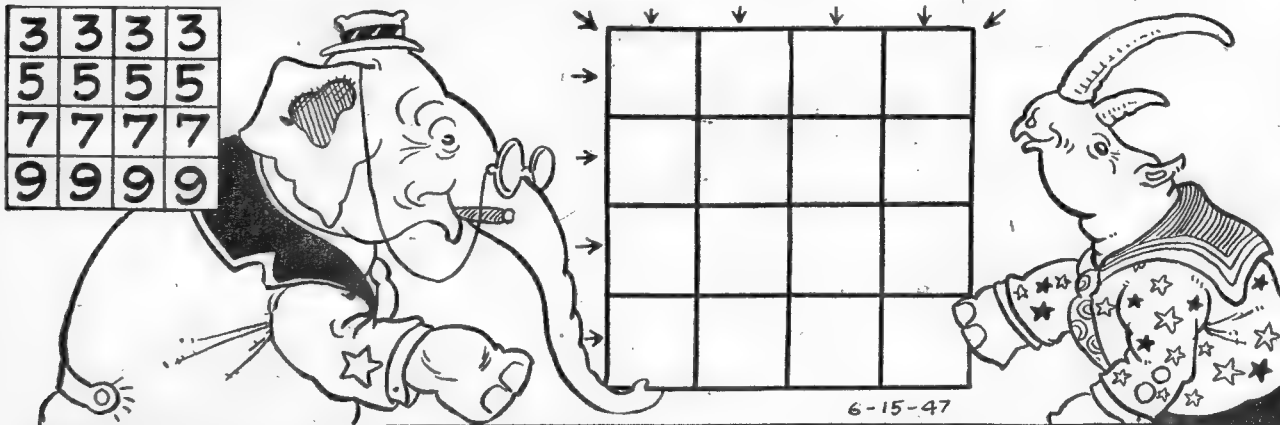
CHANGE GAS TO END, IN FOUR MOVES BY TAKING AWAY THE INITIAL LETTER AND ADDING A NEW LETTER ON THE END TO FORM THE NEXT WORD.

GAS _____ END

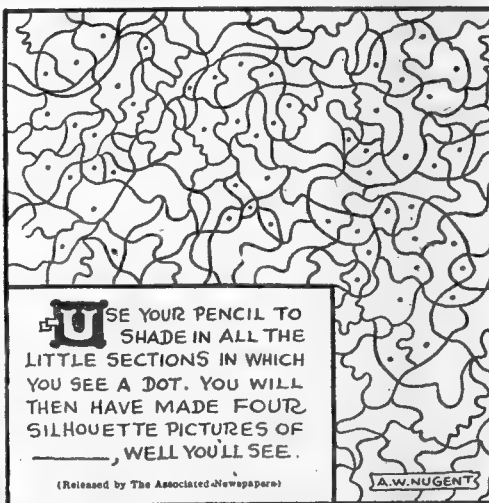
FOR EXAMPLE, WE CHANGED TON TO WEB: TON, ONE, NEW, EWE, WEB.

A.W. NUGENT

THESE TWO SMARTIES CHALLENGE YOU TO WRITE THE 16 GIVEN NUMBERS INTO THE BOXES, SO ARRANGED THAT THEY WILL ADD TO 24 IN THE 10 DIRECTIONS INDICATED.



6-15-47

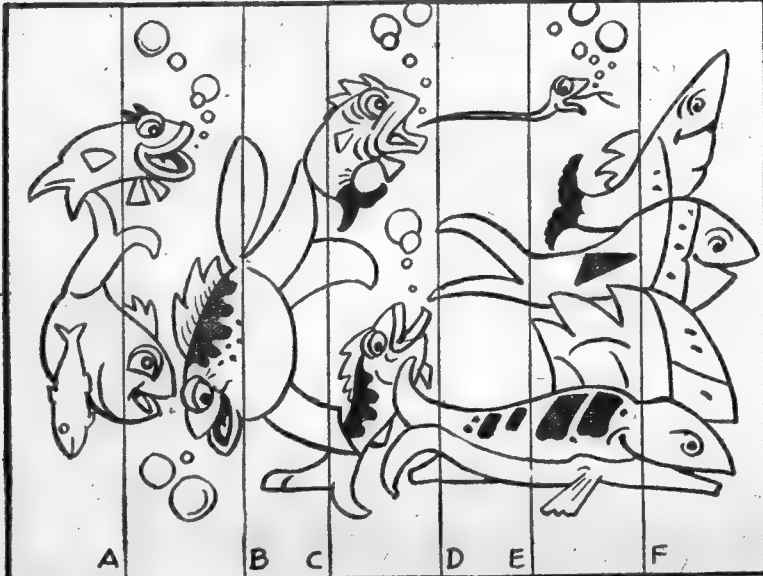


USE YOUR PENCIL TO SHADE IN ALL THE LITTLE SECTIONS IN WHICH YOU SEE A DOT. YOU WILL THEN HAVE MADE FOUR SILHOUETTE PICTURES OF _____, WELL YOU'LL SEE.

(Released by The Associated Newspapers)

A.W. NUGENT

TOMMY HAD FISH FOR DINNER YESTERDAY, BUT IS GOING TO HAVE SOMETHING BETTER TO MORROW. TO SEE WHAT, CUT OUT THE PICTURE AROUND THE BORDER AND FOLD IT ON THE LINES FROM A TO B, C TO D AND E TO F.



IF YOU WRITE THE CORRECT WORDS IN THE BOXES READING ACROSS, THE SAME WORDS WILL READ DOWNWARD.

PUZZLE SOLUTIONS

DEFINITIONS: 1, PERCH; 2, A CITY IN NEBRASKA; 3, FERTILE SPOT IN A DESERT; 4, A GARMENT; 5, FLAVOR.

1	2	3	4	5
2				
3				
4				
5				

3	5	7	9
7	9	3	5
9	7	5	3
5	3	9	7

WORD SQUARE: LARGE CITY: THE WORDS ARE: CLEAN, LEAVE AND LAND. THE CITY IS CLEVELAND.

T	A	S	T	E
R	O	S	T	E
S	H	I	R	T
A	S	I	S	
H	A			
T				

ONE HIDDEN ELEPHANT'S HEAD IS UPSIDE DOWN BELOW JIM PANZEE. THE OTHER ELEPHANT HEAD IS UPSIDE DOWN IN BACK OF THE CAMEL'S HEAD. THE LETTERS IN "UNLISTED: KNEW HONOR" WILL SPELL "THE UNKNOWN SOLDIER".

FORD CHANGING: HOW TO CHANGE GAS TO END IN FOUR MOVES - GAS, ASH, SHE, HEN, END.

10 ROWS OF 24: 0

6-15-47 (Released by The Associated Newspapers)

Please, no more "I Saws" about cats or rabbits

OUR mail for a couple of months has been overloaded with stories about cats and rabbits. Everybody is seeing cats and rabbits. It's a popular subject, but it is being overdone. So from now on, no more prizes will be awarded for cat or rabbit stories.

One day I set some rabbit traps around the green-feed stacks. I also set some snares along the fence a little ways away. The next morning I went out and saw that I had a rabbit, but as I got closer the rabbit took a dash and got out of the trap and ran right into a snare set along the fence.

Sam Maier.

Schuler, Alta.

★ ★

Mice were getting quite plentiful around the shack. I suppose that was what attracted my neighbor's cat and her two half-grown kittens. One afternoon I was eating my lunch when a weasel sauntered out from behind the cupboard bold as brass and snooped around. O.K. I thought, now the mice can look out. Went visiting for an hour and when I came back, weasel and cat were arguing out under the porch. The cats never came around any more: mice are not so active either.

Tom Bird.

Foxford, Sask.

★ ★

The snow, a blanket of glistening brightness, slumbering under the cool January sun, was marred only by the zig-zagging trail of a rabbit. Upon closer inspection, I discovered the rabbit had been half dragged, leaving little, red, drops in the snow at intervals. Following the trail back about a quarter of a mile, I found a few tufts of rabbit fur in a patch of beaten snow. Several wing marks and two white feathers found several feet from the scene of the struggle told me this story: A rabbit, crossing a snow-covered stubble field, was attacked by a large, famished, white owl. In the strange battle that followed, the owl injured the rabbit's leg and the rabbit in self-defence managed to wound his feathered foe, for nowhere along the sentences of that story in the snow, could I find evidence of another attack made upon the rabbit.

Clarence Neufeld.

Box 28, Main Centre, Sask.

★ ★

The other night my husband came in with a black eye. I wanted to know how it happened. Here's how: While milking the cow, the chickens were fighting for space on the roost. One flew down over the cow. When my husband saw the chicken it was too late to duck. She landed on his face. One claw went into the skin below the eye. Who ever heard of a hen giving a man a black eye

while milking the cow. This is a fact, no fiction.

Mrs. Andrew Wilson.

Robinhood, Sask.

★ ★

This fall I saw a coyote chasing a rabbit. The rabbit ran onto the thin ice on the dam. The rabbit crossed safely, but the thin ice broke under the coyote, and all it got for breakfast that morning was a drink of water.

Don Hill.

Sexsmith, Alta.

★ ★

One of our bins which stays out in the field had some wheat left in it which was piled up in one corner. A half-barrel metal drum was left in the bin, too. One day I had occasion to visit the bin and this is what I found in the drum. One live mouse, seven tails, several legs, skulls, skin, and bones. Apparently the first mouse to fall in had either starved or had been killed and eaten by the next one which fell in, etc. The little cannibal I found was still smart, but he didn't have much of his friends left to eat.

E. M. Harvey.

Box 15, Strasbourg, Sask.

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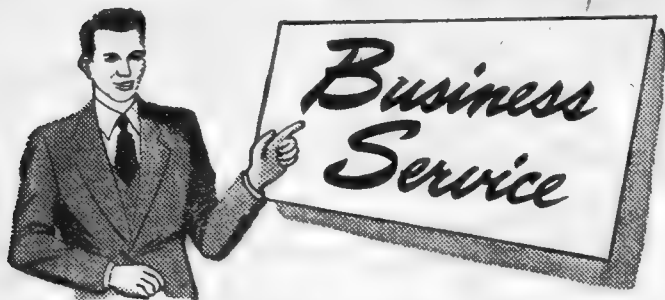
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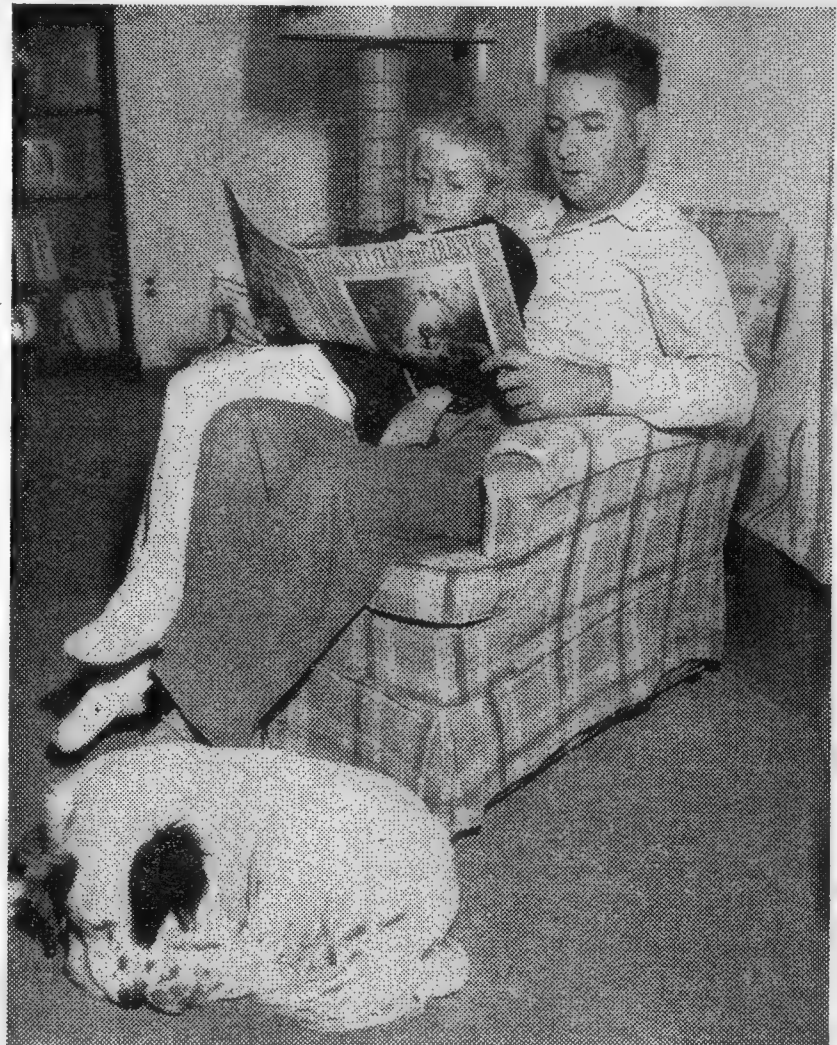
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Bedtime interlude

By LOUISE PRICE BELL

NO matter how busy the day has been for Mother or Father there is a peaceful, relaxed feeling that comes after the evening meal has been eaten and the kitchen cleared up for the day. The more members there are in the family, the busier is the homemaker, wife and mother, and the more likely she is to have interruptions, extra things to do, sick-a-bed hazards—financial, physical and mental—but if as parents, we hold to our faith, look always ahead and never behind us, we know that all will eventually be well.

I once heard an inspiring sermon in which one particular remark stayed with me. It was: "If we always look ahead, we won't see the shadows behind us." Later, I saw the same in-

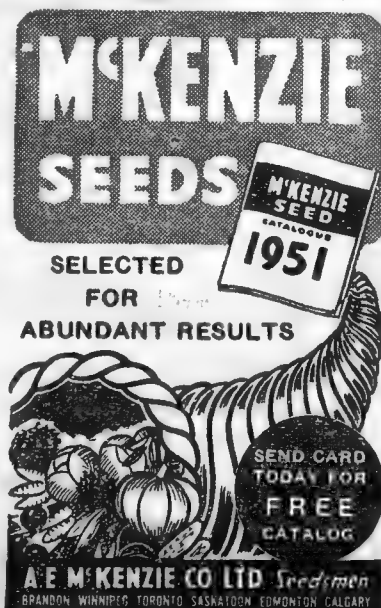


children to look after . . . innumerable tasks that every homemaker knows well. The same is true of Father. Whatever his work, his responsibility weighs heavier as the size of his family increases. And yet we all know that there is nothing that can possibly take the place of this busy, happy, family life. It may be full of all sorts of

scription over a library entrance in a large city where it was read by hundreds of passersby daily. It is a thought well worth holding when things in the home seem to be at "sixes and sevens."

Thus, it is, that taking each day as it comes, we should look forward to the "evening hour" with anticipation, and should rear our children to do the same. Bedtime should be a happy time, never one that the children dread. One very good way to assure this is to avoid "putting the children to bed" for punishment. This is a too-popular form of reprimand, because it builds in the child's mind the feeling of aversion to his bed. Instead, if all associations with bedtime are pleasant, the time itself will be pleasant.

Keep a period for the children each evening. There will be exceptions, of course, but generally speaking the parents in every home can give some time to the child, or children, at the close of the day. It is a time for closer companionship, conferences, exchange of opinions and views on any



subject the child wishes to discuss. If there have been difficulties during the day, this is the time to smooth them out . . . instead of thinking that it can be done later. It is tragic to allow a child to go to sleep with any small unhappiness on his mind. This may seem trivial to us, as parents, but even small things loom large in the child-mind. "To-morrow is another day", with a fresh start for all concerned, is a good attitude to adopt.

Children see so little of their Daddy in most homes that he, in particular, should snatch this evening hour for companionship with his offspring. No matter how much the youngsters enjoy having Mother read to them, or tell them their favorite stories, they beam with joy when Daddy picks up a book and suggests a story. And any Daddy who has a quiet reading-or story-telling-hour with his children knows that it is an incomparable experience for which he would exchange nothing. After the hurly-burly of the day's work, this peaceful time with those near and dear to him is like a refreshing rain after a long period of drought.

It is during this short evening-hour, too, that the youngsters' reading tastes may be gently and almost imperceptively guided in the right direction. Every parent has the comic-strip problem to solve and each does it in the way that seems best and wisest in his and

her particular case. But one thing we all know — if the smallsters in our homes hear only the best music, see only the best pictures, and are read (or read) only the best stories, then this correct cultural environment can't help but leave its mark. And other things, that aren't as fine will, in time, strike a discordant note and react as they should upon the children who have been exposed to better things.

Today, it is possible to obtain excellent reading matter for children at very low prices, so no matter what our budget we can offer our children the best. Even the dime stories have economy volumes of the very type of thing with which we want our children to be familiar. And the Daddy who comes

home at the end of the day with a new story-book is one who will not only be popular with his children but close to them. They know that this means an after-supper story-hour and knowing that, look with real anticipation toward that time. After that, bedtime is a natural procedure; the children are relaxed, quiet, and go to bed with the right sort of thoughts in their minds.



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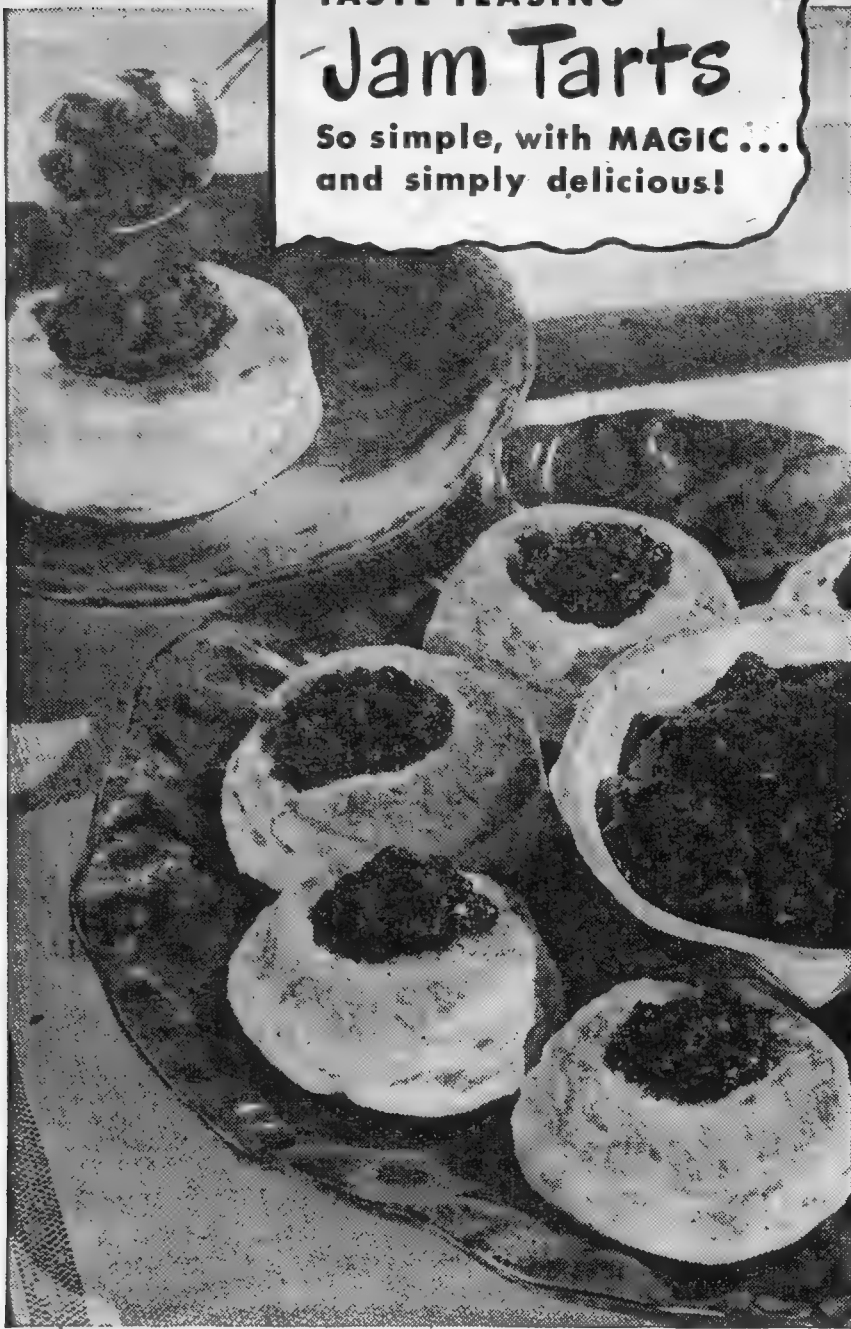

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You save money, when you "bake your own"... and Magic Baking Powder ensures success, every time. Yes, Magic means finer texture, perfect flavor—with no waste of those fine ingredients you selected. Yet it costs less than 1¢ per average baking. Use Magic whenever you bake.

JAM TARTS

2 cups sifted all-purpose flour
3 tsp. Magic Baking Powder

1 tsp. salt
4 tbs. shortening
1 egg
½ cup milk

1 tbs. light corn syrup
Raspberry Jam
Cinnamon sugar

Sift together flour, baking powder, salt. Cut in shortening with 2 knives or pastry blender. Beat egg; add milk and corn syrup; add to flour mixture, stirring only enough to make dough hold together. Knead on lightly floured board ½ minute. Roll out ½" thick; cut with biscuit

cutter. Place on greased baking sheet; make deep impression in centre of each with thumb, pressing firmly. Drop raspberry jam in each hollowed out centre. Brush biscuit dough with milk; sprinkle with cinnamon sugar. Bake in 425° oven 12-15 minutes. Serve immediately.

Homemade bedspreads spell comfort in farm homes

By ANN BARRETT

NOWADAYS, there are many ways for a woman to express her personality and exercise her individual tastes in and about the home. There are many delightful outlets for individualism in needlecraft and making useful things which mean so much in creating homelike and comfortable rooms. And when furnishing our family bedrooms, we realize that bedspreads are a very important item to be considered in the decorative scheme of our sleeping quarters.

Gay Colored Quilts

If we are planning to use bedspreads that will give years of service, we probably will decide on handmade counterpanes, which can become the pride and joy of every homemaker. Patchwork quilts, candlewick-spreads or woven coverlets are interesting to make, and reflect a homelike atmosphere.

Among popular materials to work on, which will prove as enduring as time, are gay colored prints, chintz, calico, plaids or checked fabrics, so suitable for country households. Other materials that make up into good-looking bed-covers, are those of chenille, sateen, plain English broadcloth, or even unbleached cotton when it is stamped with an attractive floral design to be embroidered effectively in colors.

New Viewpoint

More than ever there seems to be a trend toward making things for the home, without the necessity of investing in custom-made furnishings which at times strain one's home-furnishing budget. So now, is a perfect time for taking a perspective of our every-day surroundings and seeing one's home as others are apt to see it. A few days away from home sometimes will give a fresh new viewpoint about planning definite change, which may be made in this room, or that, to freshen its appearance and give it new character.

While spending a week-end in town recently, we paid a visit to a charming home where the homemaker showed us through such frilly and feminine bedrooms. They had been fixed up by her own busy fingers, and after she had told us about all the fun she had in the doing of these rooms, and how she had felt well-repaid with the results, by the manner in which her family voiced its appreciation, we felt the urge to return home and try out our own impulses, in making our bedrooms more livable and attractive.

Frilly and Feminine

There's nothing more exciting than furnishing a room just as one would like it, all frilly and feminine, and so comfortable, fresh and inviting, that it will induce relaxation and sleep after a busy day. It acts as an inspiration to those of us who have admired but never ventured. However, there are many ways in which one may achieve such an atmosphere, and we are going to start off first by making a quilt with side-drapes to match.

Easy to Make

We were told that making a bed quilt is really not difficult. It should be long enough to cover the whole bed and pillows, and wide enough to hang over the sides, or to be tucked in, as

desired. If there is not enough material, the top counterpane may be of different material from the side ruffles... for instance, a white chintz with pink roses could emphasize a white ruffle with a border of pink roses.

However, our first venture is going to be a gay pink and white nosegay bedspread, which will carry out a lacy-nosegay effect, using white embroidered material. It will be a full-sized quilt, 80 by 84 inches. It will take about 9½ yards of percale. The flower-holder effect will be scalloped at top, to give a nosegay effect to the pink flowers, which will be applied over the counterpane, the frills on each remaining plain.

For the side-drapery at the windows, we are carrying out the same color-effect in roses and rosebuds applied on white, with a white valance at the top and floral trim and to complete the ensemble-picture, we will use the two new rag mats we have just finished hooking in rose and cream tones, which ought to go hand-in-glove with our pet decorating schemes.

□ □ □

Barbecue a chicken, for a change

By LOUISE PRICE BELL

EVERYONE loves roast chicken. Nothing is quite as delicious for a Sunday dinner, either for the family or when company is coming than a golden brown, juicy fowl, particularly if it's from one's own flock which has been carefully fattened for just that purpose. There are all kinds of different stuffings and most homemakers have two or three which they favor. For a change from the usual, always acceptable roast chicken, try highlighting your next one with a delicious Barbecue Sauce.

Prepare the chicken for roasting the same as usual and baste it often with the barbecue sauce, which recipe is given here. Mix the sauce in a bowl or soup plate and either pour it over the fowl with a spoon, or brush it on with a pastry brush. The latter method is slightly better since the sauce adheres to the chicken more easily.

To make the Barbecue Sauce, melt 2 tablespoons of lard and into this cut an onion in small pieces. Add ¼ cup of vinegar, 2 tablespoons of brown sugar, one cup of catsup, ½ cup of water, 1 teaspoon prepared mustard, ½ cup diced celery, and 2 teaspoon salt. Before the first application of the sauce, heat it slightly to thoroughly blend ingredients and at each beating, scoop up what is in the bottom of the pan since it will be a combination of the chicken fat and the sauce. The roasting time should be the same time as for plain roast chicken, according to the size used.

□ □ □

Retaining the good

It is best to leave fruits and vegetables whole until just before using. Crushing or breaking of fruits and vegetables hasten the destruction of vitamin C, one of the major nutrients found in these foods.

AUNT SAL SUGGESTS—

*These winter days we stay inside,
At least so many do;
So let us chat of this and that,
That may bring help to you.*

MATERIAL that goes into a monthly periodical has to be prepared well ahead of the date of publication. For instance, 1951 has just arrived as I sit down to type this column for February. I wish more of you realized this fact. Then there would not be so many disappointed folk who think that the replies to their letters should be found in the issue immediately following the time they write to me. There is only one way to assure yourselves of a fairly prompt private reply . . . and that is to enclose a stamped, self-addressed envelope inside your letter. In that case you will positively hear from me within one month . . . or sooner if at all possible.

In the December issue a lady from California wrote in asking for a netting needle. I mailed two of them to her and told her where she can get more if she wishes. But here's a big "thank you" to all of you other readers who offered your netting needles also. And it touched my heart how many elderly ladies offered theirs, saying they didn't expect to use them any more but would like to think that someone else was enjoying them.

Last fall and early winter I received several inquiries about cook books for diabetics. I mentioned one in the December issue and since then I've added another to my library. It is named PLEASANT FOOD FOR DIABETICS. (Don't take that adjective "pleasant" too literally for many of the recipes weren't bubbling with joy . . . but!) Anyway, this book is priced \$1.55 including postage. I got mine at Commercial Printers, Lethbridge, Alta.)

And speaking of cook books, I think I'd better make it more emphatic that I do not stock any cook books for sale myself.

I was very happy to receive word via a cheery Christmas card from Hanna, Alberta, that the cook books put out by the ladies of the United Church of that town were all sold out and 100 of the purchasers stated they had seen it mentioned in this column and bought it for that reason. (I'm not sure whose back should be patted, so let's just shake hands all around, eh?)

In the December issue of the Farm and Ranch, readers will recall this question: "Can you give me the recipe for Syrian cabbage roll?" I threw this question open in the column as I failed to find the recipe for any cabbage roll that claimed to be Syrian. You good neighborly readers came to my rescue. Mrs. C. M. of Gainsborough, Sask., sent in one called, Buckwheat Cabbage

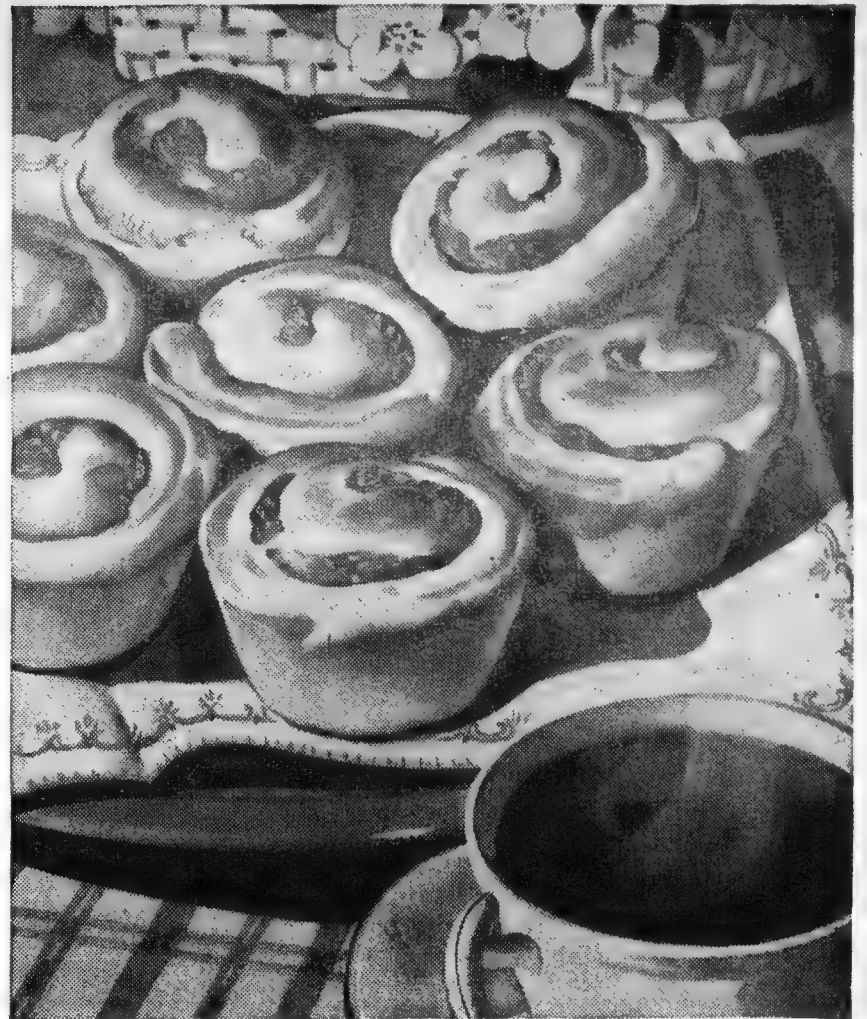
Roll; Mrs. D. P. of Edmonton, sent in one using sour cabbage or sauerkraut, and I might have been mislead into thinking these were the "real McCoy" if I hadn't received four more letters. These came respectively from Mrs. R. J. N., Rocky Mountain House; Mrs. A. H., Bissett, Man.; Mrs. G. B., Alix; Mrs. N. B., Hollyburn, B.C. After reading this last quartet of explicit, interesting letters I knew my search was ended as far as Syrian cabbage rolls were concerned, for these ladies showed they knew what they were taking about. I'll quote from these four letters in the recipe given below. They differed very little except as to cooking time required. The time quoted ranged from $\frac{3}{4}$ hours to 4 to 5 hours, so novices at this dish would have to keep "pricking and tasting" I fancy.

This dish (so I'm told by one writer who is wed to an Assyrian) is the native dish of Assyria. It is called YEBRA. I'm not sure of the spelling of that word (neither was the writer). It contains shoulder of lamb . . . as so many Assyrian dishes do. The three ladies' recipes differed, some too, on the type of seasoning used. One favored garlic . . . another added a little dried mint to the garlic, and the third used cinnamon. And of course all three called for the usual salt and pepper. And I should add that Mrs. R. J. N.'s didn't run absolutely true to form for she quoted the meat used as pork instead of lamb or mutton. But hers sounded very good, and the spice she liked was sage or savory.

So here we go for Assyrian Cabbage Rolls or YEBRA: (Note: Grape leaves may replace cabbage): 2 large heads of cabbage (placed in boiling water until soft and limp). Pluck off the large leaves very carefully and place a spoonful of this combination on each leaf: 2 cups uncooked rice, $1\frac{1}{2}$ lbs. mutton flank or lamb shoulder ground coarsely, assorted spices (read above and take your choice), 1 can tomatoes. Fold this carefully into the individual leaves folding it envelope style and roll up like sausages. Pack them into deep kettle salting each layer. Put a plate tightly over all. Cover with cold water (or part tomato juice or diluted lemon juice). Bring to boil and lower heat so it just simmers for . . . there's where our informants began differing again . . . so maybe we'd better say "until done." (I'll make a confession . . . I have not tried any of these recipes . . . but, honestly, I've read so many of them lately that I feared I was beginning to resemble a cabbage.)

Bye bye for now . . . and every good wish.

Aunt Sal,



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ORANGE FILLED ROLLS

Makes 2 Dozen

Measure into large bowl
 $\frac{1}{2}$ cup lukewarm water
1 teaspoon granulated sugar
and stir until sugar is dissolved.

Sprinkle with contents of
1 envelope Fleischmann's
Royal Fast Rising Dry Yeast
Let stand 10 minutes, THEN stir well.
In the meantime, scald
 $\frac{3}{4}$ cup milk

Remove from heat and stir in
 $\frac{1}{4}$ cup granulated sugar
 $2\frac{1}{4}$ tablespoons salt
 $4\frac{1}{2}$ tablespoons shortening
Cool to lukewarm and add to yeast mixture; stir in
 $\frac{1}{4}$ cup lukewarm water

Stir in
 $2\frac{1}{4}$ cups once-sifted bread flour
and beat until smooth; work in
 $2\frac{1}{4}$ cups more once-sifted bread flour

Turn out on lightly-floured board and knead dough lightly until smooth and elastic. Place in greased bowl, brush top with melted butter or shortening. Cover and set dough in warm place, free from draught. Let rise until doubled in bulk. While dough is rising, prepare

ORANGE FILLING

Combine in a saucepan
 $\frac{1}{2}$ cup granulated sugar
 $\frac{1}{2}$ cup granulated sugar

Gradually blend in
 $\frac{1}{3}$ cup cold water
 $\frac{1}{3}$ cup orange juice

$1\frac{1}{2}$ tablespoons lemon juice
and add
1 tablespoon grated orange
rind

1 teaspoon grated lemon rind

Bring to the boil, stirring constantly; boil gently, stirring constantly, until smoothly thickened; cool.

Punch down dough; form into a smooth ball. Roll into an oblong $\frac{1}{4}$ -inch thick and 26 inches long; loosen dough from board. Spread with cooled orange filling.

Beginning at a long edge, roll up loosely, like a jelly roll. Cut into 1-inch slices. Place in greased muffin pans. Grease tops. Cover and let rise until doubled in bulk. Bake in moderate oven, 350°, about 25 min. Serve hot, with butter or margarine.



Bake a Batch ANYTIME...

PURITY COOKIES



It's a wonderful idea—means three kinds of icebox cookies from one recipe—and economical, too. You make three rolls—each a different flavour. Anytime, you can slice some off—pop them in the oven and have delicious, crispy cookies ready in no time.



Make the dough like this:

½ cup shortening ½ teaspoon cream of tartar
½ teaspoon vanilla 1 teaspoon baking soda
2 cups brown sugar 3½ cups sifted Purity Flour
2 eggs

Cream the shortening, add vanilla and brown sugar. Add well beaten eggs. Mix cream of tartar, baking soda and sifted PURITY FLOUR, and add to mixture. Divide the dough into three parts for three different cookies.

Remember, this grand recipe was created and tested in the Purity Flour kitchens,—so, for the new 3 in 1 cookies—and for all your baking—Purity Flour is best. It's the flour milled from Canada's fine hard wheat. For tender pie crust, light biscuits, wonderful rolls and feathery cakes, if you depend on Purity Flour you can depend on compliments.

Cookie 1.

Add ½ cup chopped nuts, then form into a roll.

Cookie 2.

Add 1 ounce unsweetened chocolate, melted, then form into a roll. Just before baking sprinkle each cookie with a few shreds of coconut.

Cookie 3.

Add ½ cup mixed red and green cherries that have been cut into eighths, then form into a roll.

Each roll should be wrapped in waxed paper and chilled in refrigerator, then, or whenever you wish, cut off thin slices from rolls and bake on greased sheet in hot oven (375°-400°F.) for 8-10 mins.

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Country Diary

PISCES follows Aquarius and between them they constitute what the astrologers call the "watery signs". "Old February fill dyke" is what the rural people in old countries call February: the snows melt and the Tigris rises; the Rhine and the Nile overflow as they used to of old. Here we wait another month or two for the melting season and then our mighty rivers fill and pour in torrents over the countryside.

There must be water here, there and everywhere before there can be spring. The sap must rise, being fed from thirsty roots soaking up the snow water.

Grassy and floral growth are dependent on it, before the need of the grain is felt.

Previous to the proverbial thaw that weakens the vigor of winter and breaks its back, as they say, there may be stern, unrelenting, unforgiving days. No one loves the peculiar cold of February, "tight cold" as some folks describe it, and a good sample of what our northern winter can do.

February, however, has its compensations. I can account for a great deal more than a bit of whimsy about fill-dyke. Of course there is the cynic who regards February as the Cinderella month and gives thanks for its missing days. Well, I am looking at the jar of pussy-willows in the warm south window, whose bare, brown twigs have burgeoned with tufts of soft, silver fuzz, a promise in every one.

From insignificant brown bulbs embedded last September in pots of mud and fibre, fairy-like bells have emerged — February's Fair Maid" we think ecstatically whenever we pass the chaste snowdrops hanging tremblingly aloof amid the clatter of stove and broom and dishes.

Then we have St. Valentine's Day, when many little deeds of kindness are performed, and for all these we say "Vivent les valentins".

And again, there are the new seed catalogues. Ours usually is borne by the steaming postman through whirling drifts of one of those February blizzards. The gardener who has looked despondently on the white wastes outside, brightens with new hope, and no sooner has the postman disappeared around the bend in the driveway than he is deep in magnificently colored pictures of gay beds and borders and neat rows of healthy carrots and beets, and absorbing the exciting, poetic descriptions. Yes, one of the great books of the world — the seed catalogue. When it comes, can spring be far behind?

Perhaps the best gift of all that February brings is that hope of springtime — in the

earlier dawns and lengthening twilights, the first faint signs of thickening of the poplar boughs, a forecast of the near future when every tender leaf will be in place and the whole tree alive with light and motion.

□ □ □

Let's ask Aunt Sal . . .

Q.:—How do you make "milk filter flowers"? I have seen them and they are beautiful, but I do not know how they are made, especially how they are cut out.—(Mrs. E. R. H., Fox Valley, Sask.)

A.:—I'll have to send out an S.O.S. to your readers. I never heard of this type of handicraft nor have I seen them. I would appreciate it if anyone who does know would send us in word so we can all share.

Q.:—Is fish that has been frozen fit for canning? And can you give me a good recipe for canning fish? — (Constant Reader.)

A.:—No . . . according to all my canning guides neither meat nor fish (and especially the latter) is supposed to be canned after it has been frozen.

In a wonderful little booklet called "The Home Preservers' Handbook," I find this recipe for—

CANNED FISH

Clean fish, remove head and tail. The backbone may be left in or not as you wish. Wash fish in clear water then soak for half an hour in salt water. Drain well. Cut in pieces to fit in jars. Add salt, one teaspoonful

The Dishpan Philosopher

I'M weary of the words "next year". I wish for once the year that's here would see some poor old dreams come true. It seems no matter what we do fate has a monkey-wrench to throw whenever plans are set to go. The weather gets all out of line, or prices for our stuff decline, or something ails our herds and flocks — at every door misfortune knocks. Well, maybe not so bad as that! But what I'm trying to get at is how we never can rely on doing more than getting by. We should expect that I suppose since farming is the life we chose.

I guess it's foolish to complain, or even count our loss or gain in terms of dollars for, these days, we're rich in lots of other ways. So many people dread "next year" we're lucky to be living here.

to each quart, a little pepper, 2 tsps. olive oil and 1 tbsp. vinegar. Add 2 or 3 tblsps. water to each jar. Arrange jars on rack in boiler and cover with boiling water. Process 3 hours. Count time from when water reaches boiling point. Remove jars and seal completely. Do NOT invert to cool. If jars are processed in a pressure cooker cook one hour at 15 lbs. pressure.

Q.: — I would like to have a recipe for Dad's cookies.—(Mrs. J. L., Langley Prairie, B.C.)

A.: — I think there are just about as many recipes for Dad's cookies as there are dads to eat them, but there is a similarity running through all the recipes given, so I'll choose one I've tested.

DAD'S COOKIES

1 cup butter, 2 cups brown sugar, 2 eggs, 2 cups oatmeal, 1 cup coconut, $\frac{1}{2}$ teaspoon baking soda, pinch salt, 2 cups flour. Mix in order given. Roll into balls, flatten with fork. Bake in hot oven until nicely brown.

Q.: — Is it possible that you supply the recipe for soda biscuits (crackers) made at home? I had the recipe and used it years ago, but cannot find it now.—(I. F., Slave Lake, Alta.)

A.: — Especially as this is the first letter I ever received from this far north, I am so sorry that I, too, cannot find this recipe, although I had it at one time and tried it a few times. Can any of you readers help our northern friend?

Q.: — How can I remove vitrophane from glass door panels? I have not tried anything yet.—(Mrs. A. G., Evansburgh, Alta.)

A.: — The only mention I see of this in my many home bulletins is this suggestion: "Try half turpentine and half ammonia," or half turpentine and half carbon tetrachloride." (I have never tried this.)

Q.: — How can I clean a masonite floor so it can be varnished? Have been scrubbing it with soap and brush. Is there a commercial wax remover on the market? — (Mrs. A. G.)

A.: — I'd advise you to try turpentine to remove the wax. Just apply it with a soft lint-free rag. As to whether there is a commercial wax remover on the market today I'd advise you to consult your nearest paint dealer about this. I have not found one, but that is not saying there isn't one.

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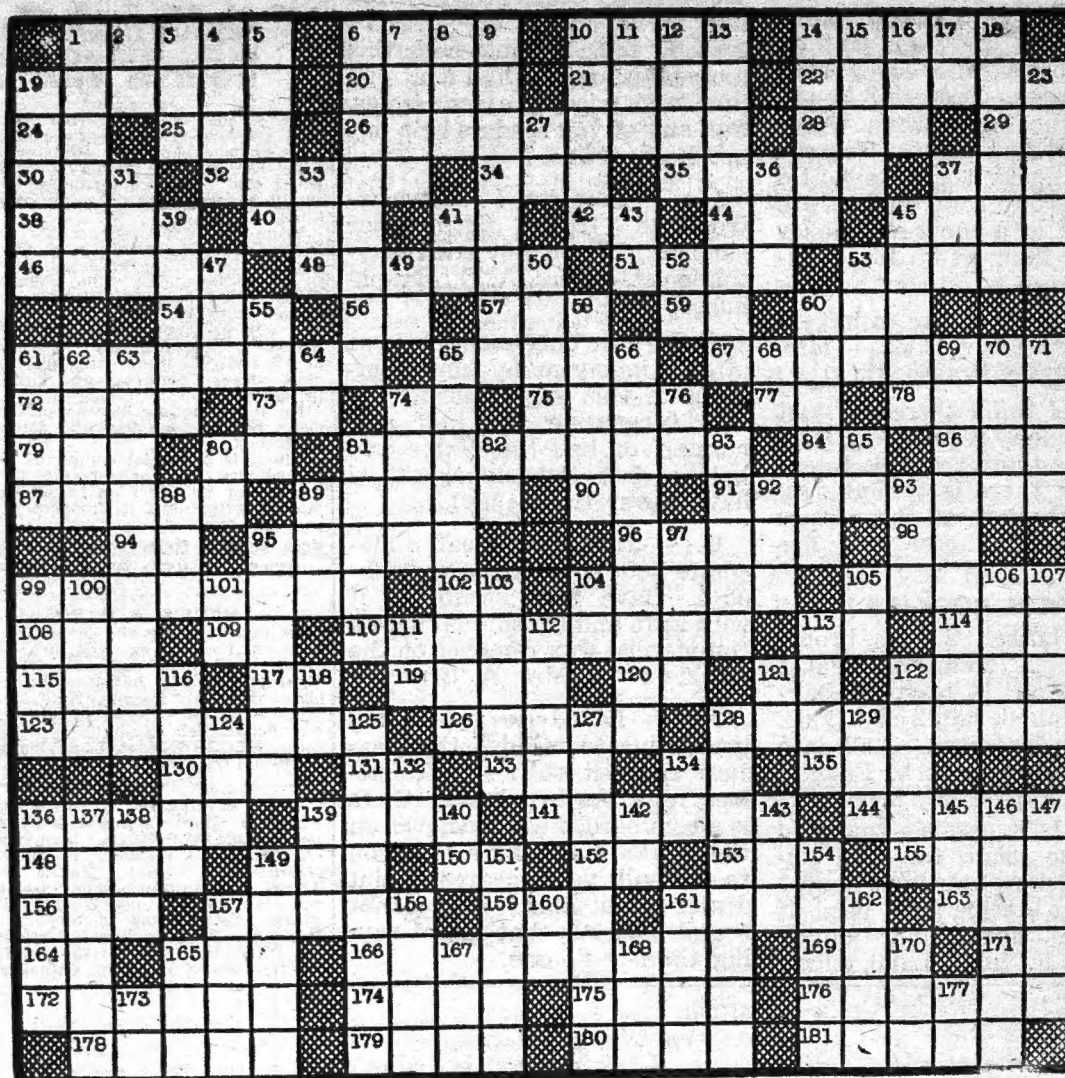
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36.00 18.50 9.25	BR Pull 39.00 19.75 10.00
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15.00 8.00 4.25	LS Chks 16.00 8.50 4.50
18.00 9.50 4.75	N. Hamp. 19.00 10.00 5.00
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15.00 8.00 4.25	NH Chks 15.00 8.00 4.25

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T. L. Sandeman, Okotoks, Alta., says: "My Massey-Harris 44 Diesel Tractor has got lots of power and lugging ability for my hill land. It will pull a 4-bottom plow with packer behind, in 3rd gear, sometimes to a depth of 8 or 10 inches. Uses only about a gallon of fuel per hour on average load . . . and that's cheap power. My 12-year-old boy handles this tractor with ease."

1¼ Gallons vs 2¾ Gallons

George A. Hedstrom, Dubuc, Sask., compares his Massey-Harris 44 Diesel Tractor with a 1937 model (other make) tractor on rubber. "These tractors work side by side," he says. "The 44 Diesel uses 1¼ gallons of fuel per hour. The other uses 2¾ gallons of distillate per hour. I am well pleased with the economy, performance and lugging ability of the M-H 44 Diesel."

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